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IN THE UNITED STATES DISTRICT COURT  
FOR THE EASTERN DISTRICT OF NORTH CAROLINA  
WESTERN DIVISION  
CASE NO. 5:21-CV-0137-FL

360 VIRTUAL DRONE SERVICES )  
LLC AND MICHAEL JONES, )  
Plaintiffs, )  
v )  
ANDREW L. RITTER, IN HIS )  
OFFICIAL CAPACITY AS EXECUTIVE )  
DIRECTOR OF THE NORTH CAROLINA )  
BOARD OF EXAMINERS FOR )  
ENGINEERS AND SURVEYORS; AND )  
JOHN M. LOGSDON, JOHNATHAN S. )  
CARB, DENNIS K. HOYLE, RICHARD )  
M. BENTON, CARL M. ELLINGTON, )  
JR., CEDRIC D. FAIRBANKS, )  
BRENDA L. MOORE, CAROL )  
SALLOUM, AND ANDREW G. )  
ZOUTWELLE, IN THEIR OFFICIAL )  
CAPACITIES AS MEMBERS OF THE )  
NORTH CAROLINA BOARD OF )  
EXAMINERS FOR ENGINEERS AND )  
SURVEYORS, )  
Defendants. )

DEPOSITION OF MICHAEL JONES

This matter coming on for deposition on July 21, 2021, at Grache,  
Hanna & Sullivan, Raleigh, North Carolina, before Victoria L.  
Pittman, BA, FAPR, RDR, CRI, CVR-CH-M, Court Reporter and Notary  
Public, the following proceedings were had, to wit:

Reporter: Victoria L. Pittman, Managing Reporter  
BA, FAPR, RDR, CRI, CVR-CH-M, RCP, NCJT

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APPEARANCES

For the Plaintiffs:

Samuel B. Gedge  
INSTITUTE FOR JUSTICE  
901 North Glebe Road  
Arlington, Virginia 22203

For the Defendants:

Douglas W. Hanna  
GRAEBE HANNA & SULLIVAN  
4350 Lassiter at North Hills Ave., Suite 375  
Raleigh, North Carolina 27609

Present: John M. Logsdon

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Michael Jones - 7/21/21

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4	Letter from NC Board of Examiners for Engineers and Surveyors, 12/19/18	37
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Wednesday, July 21, 2021 (10:06 a.m.)  
(Pursuant to the Federal Rules of Civil  
Procedure:)

\* \* \* \* \*

MICHAEL JONES,  
having been identified and affirmed by the Notary, was examined  
and testified as follows on EXAMINATION

BY MR. HANNA:

Q. Mr. Jones, good morning.  
A. Good morning. How are you, sir?  
Q. Good. I'm Doug Hanna. I represent the Board of  
Engineers -- actually, the Board of Examiners for Engineers  
and Surveyors and all of the individual defendants that have  
been named in the lawsuit in their official capacity.  
A. Okay.  
Q. I just wanted to introduce myself.  
Could you, for the record, state your full name.  
A. Yes. Michael Rudolph Jones.  
Q. Mr. Jones, also, if you could state your address  
A. 4971 Wayne Memorial Drive, Goldsboro, North  
Carolina 27534.  
Q. Mr. Jones, where did you grow up?  
A. Wilson, North Carolina.  
Q. And could you tell the jury about your educational  
background.

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1 A. Education -- I went through high school, dropped  
2 out in tenth grade, went to get my GED. That's pretty much  
3 it.  
4 Q. In what year would you have received your GED?  
5 A. '92 I think it would be.  
6 Q. And had you not dropped out, what graduation year  
7 would you have been?  
8 A. Oh, I'm sorry. I thought that's what you were  
9 asking. I think '92 would have been the graduation year.  
10 Q. Okay. Sorry about that.  
11 A. No problem.  
12 Q. And did you get your GED before '92 or after '92?  
13 A. So I dropped out in tenth grade and went right to  
14 the community college and got it, like, that next upcoming  
15 week.  
16 Q. Okay.  
17 So 1990?  
18 A. Probably around that. Sorry. Not easy on those  
19 dates.  
20 Q. No worries.  
21 I'm just going to try to get a little bit of  
22 understanding of your background as well.  
23 A. Sure.  
24 Q. So in 1990, you were, you know, 16 years old,  
25 about, I would say; right?

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1 Q. So you're transitioning from employment in the  
2 welding field to IT?  
3 A. Yes, sir.  
4 Q. What year did you do that?  
5 A. About '99/2000, that's when I got my first A+  
6 certification, CompTIA A+ certification.  
7 Q. So you would have been in your late twenties?  
8 A. Early twenties -- so 23, age 23. I just know it  
9 because my father passed when I was 23; so I was already  
10 welding then, and I -- after he passed is when I got into  
11 the IT network field. So it had to be in 2000 -- he passed  
12 October 2000.  
13 Q. How old are you right now?  
14 A. 44.  
15 Q. All right.  
16 And so then you went to work for BB&T, did you  
17 say?  
18 A. Yes.  
19 Q. And what year was that?  
20 A. 2000, maybe, -3ish.  
21 Q. What did you do for BB&T?  
22 A. Network support specialist. So we did all of  
23 their IT internal support for all of the branches, IT  
24 centers -- anything on the map.  
25 Q. So explain that to me because I'm -- I don't know

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1 A. 16, yes.  
2 Q. And did you start taking classes at the community  
3 college?  
4 A. I went and just got the GED there and then I went  
5 to work.  
6 Q. Okay.  
7 And what did you do?  
8 A. Grocery stores.  
9 Q. And if you could, just a broad overview of what  
10 was your work experience like in the '90s and then the first  
11 decade of the 2000s?  
12 A. In the '90s, I -- of course, 16, I hit the ground,  
13 wanted to work 40 hours a week, grocery stores, one from the  
14 next, whoever needed stock boys, bag boys.  
15 And then I learned the trade of welding in about  
16 '95 maybe -- '94ish, '95, at Murphy Truck Body, they were a  
17 national company in Wilson, and I went to work there,  
18 welded, and left there, went to Evans Metal Fabrication,  
19 which I have stayed off and on through the years doing the  
20 same thing -- welder, layout fitter. And then I got into  
21 network support, computers, IT, and went to BB&T, Branch  
22 Banking & Trust, worked there as a network support  
23 specialist for seven years.  
24 Q. All right. Let me stop you there.  
25 A. Sure.

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1 much about IT.  
2 A. So we -- I -- the department I dealt with, we did  
3 not deal with any clients outside; we only dealt with  
4 BB&T -- the internal clients at BB&T. So if there was a  
5 loan officer in Mississippi who needed support with their  
6 mouse or their network wasn't supporting -- wasn't  
7 connecting to the servers, they called us. We were the  
8 first line; so we either resolved the issue on the phone or  
9 we dispatched a technician or sent a client server engineer  
10 Q. All right.  
11 And then how long did you work for BB&T?  
12 A. Seven years. Actually worked there -- they  
13 offshored the help desk to India for a couple years I left  
14 during that time and did some just contract network stuff  
15 through a couple different companies. When they returned  
16 back to the States, I was called by my supervisor and asked  
17 did I want to return, so I did.  
18 Q. Okay.  
19 So you were employed full-time beginning in '03?  
20 A. I think so, around '03.  
21 Q. Okay.  
22 And, again, the dates -- the specifics aren't  
23 critical by any stretch --  
24 A. Sure.  
25 Q. -- but just approximately 2003.

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1 How long did you work full-time?  
2 A. So I worked full-time until about 2007, I think,  
3 is when they offshored. And I think they offshored for  
4 about two years; so around 2010 maybe, somewhere around the  
5 area, is when I was called back by BB&T. And then I went  
6 back to work for them and worked, I'm not sure, maybe  
7 another year or two, something like that.  
8 Q. And then what did you do after BB&T?  
9 A. Then went back to welding.  
10 Q. And was that just a matter of welding paid more or  
11 did you --  
12 A. Oh, no. Actually, in 2013, I actually got under  
13 some trouble with the law. And BB&T, due to the FDIC  
14 regulations, had to release me.  
15 Q. So you were -- when you say "released," you were  
16 terminated by BB&T?  
17 A. Yes.  
18 Q. Okay.  
19 What was the reason for the termination?  
20 A. I sold a prescription pill bottle to a guy without  
21 a prescription, one of my prescriptions.  
22 Q. And other than that incident, do you have any  
23 other -- have you been involved in any othertype of charges  
24 from law enforcement?  
25 A. No. Just speeding tickets with cars, but ...

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1 hairdresser?  
2 A. Oxycodone.  
3 Q. And this was a prescription that had been  
4 prescribed to you legally?  
5 A. Yes.  
6 Q. Okay.  
7 So I take it, then, you were charged by the local  
8 district attorney in Wilson County?  
9 A. Yes.  
10 Q. And was it a felony?  
11 A. Yes.  
12 Q. And how was that felony charge resolved?  
13 A. It was resolved -- I hired an attorney in Wilson  
14 and they got the charge dropped to a delivery and sale of a  
15 narcotic, which was still a felony, but it was a couple  
16 charges below. And then I was released with two years'  
17 supervised probation.  
18 Q. And do you remember what class felony you pled  
19 guilty to? Do you remember? There's a chart -- A, B, C, D?  
20 A. I'm not sure. I wouldn't be able to tell you. It  
21 wouldn't be honest.  
22 Q. Fair enough.  
23 You just know that the felony charge that you pled  
24 to, that put you in a lower punishment bracket; is that  
25 right?

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10

1 yeah, that's it.  
2 Q. Have you been involved in any other lawsuits other  
3 than the lawsuit that was filed in your name and on behalf  
4 of your company's name?  
5 A. No, sir.  
6 Q. So tell me about -- so what happened in 2013? Who  
7 invest -- how did you get caught or turned in on this issue?  
8 A. So I had sold to a hairdresser in Wilson who had a  
9 business, and he bought the whole bottle, and then they set  
10 up an audio/video recording of him buying it from me. And  
11 then they did the arrest after that, I guess.  
12 Q. All right.  
13 And so he was like an undercover informant,  
14 basically?  
15 A. I don't think he was undercover. He just -- I  
16 think what I heard, he got pulled, like, driving from the  
17 house or something, and I guess they got them to tell. I'm  
18 not sure. I was never told exactly what happened.  
19 Q. When you say "they," who is "they"?  
20 A. Police officers.  
21 Q. From what --  
22 A. Wilson County.  
23 (Stenographer clarification.)  
24 (Discussion off the record.)  
25 Q. What was the prescription that you sold the

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1 A. It was out of the mandatory bracket because what I  
2 was in was a mandatory, and it dropped one below that but  
3 I'm not sure the letters.  
4 Q. Okay.  
5 And then you -- as a punishment, you -- obviously  
6 you got a conviction, felony conviction; correct?  
7 A. Yes.  
8 Q. And then you were two years supervised probation?  
9 A. Yes, sir.  
10 Q. And then as a result, unfortunately, I guess, then  
11 you were terminated from your job at BB&T?  
12 A. Yes, sir.  
13 Q. And then you went back into the welding field?  
14 A. Yes, sir.  
15 Q. Okay.  
16 And how long did you work in welding?  
17 A. Probably another two years, maybe, until I got  
18 back on my feet.  
19 Q. And then what did you do next?  
20 A. And then I started my own photography company that  
21 turned into photography with drones.  
22 Q. Now, the photography company, what year would you  
23 have started that?  
24 A. 2016.  
25 Q. And was that something you were doing -- well, let

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1 me back up here.  
2 The documents that we produced to you in this  
3 case, there is some information about the incorporation of  
4 360 Virtual Drone Services LLC with the State of  
5 North Carolina.  
6 And the documents that I'm looking at show that  
7 that company was incorporated by you in October of 2017.  
8 Does that sound right?  
9 A. Yes.  
10 Q. Okay.  
11 And so when you say "photography company," is that  
12 just a business you were operating under your name?  
13 A. So first I started doing photography, started  
14 doing, you know, small clients, family portraits, friends --  
15 stuff like that. Then I realized I wanted to -- you know,  
16 hey, I want to make this into a business; so that's when I  
17 spoke to another friend of mine who invested in the drone  
18 equipment, and then I kind of moved from that to the aerial  
19 So yes, the drone business, 2017 would be the  
20 date, you know, but I did photography in 2016 kind of  
21 leading up to that as a hobby turned, you know, business.  
22 Q. All right.  
23 Let me spend a few minutes transitioning and just  
24 talk about the timeline of events.  
25 A. Absolutely.

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1 A. Lisa -- what was her last name? You'll have to  
2 give me a second on her last name. I can't think of it.  
3 Q. Do you remember what company she worked with?  
4 A. No, because she was starting real estate well.  
5 I can't believe I'm drawing a blank on her name. Sorry.  
6 Q. Well, when you -- if it comes, jumps into your  
7 head, let me know.  
8 A. Yeah. I'll think of it in a minute.  
9 Q. And so Lisa comes to you and says, "I want you  
10 to -- I want to partner with you"?  
11 A. Not those exact words. She asked did I do drone  
12 photography. I told her no. She said, "Have you ever  
13 thought about it?"  
14 I said, "I can't afford them. You know, not in my  
15 bank right now."  
16 So she said, "Well, how about if I purchase the  
17 drone? You can do your real estate work with it and then  
18 you can pay back the money for the drone by doing real  
19 estate work for me."  
20 So that was the agreement we had. She bought a  
21 drone for me, wrote me a check, I bought a drone, and it  
22 started there.  
23 Q. Okay.  
24 When did she buy the drone?  
25 A. It was around the 2017ish mark, in between '16 and

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1 Q. So you indicate in 2016 -- is that when you  
2 started getting interested in photography?  
3 A. Yes.  
4 Q. And you called it a hobby. Was that a hobby  
5 initially?  
6 A. Yes.  
7 Q. And what equipment were you using in 2016?  
8 A. One Nikon D35 camera, I think, 3500.  
9 Q. Any other equipment?  
10 A. That was it for me. A couple flashes and lights  
11 you know.  
12 Q. And how did the hobby of photography turn into a  
13 side business?  
14 A. So a friend of mine noticed I was doing  
15 photography, she was a real estate agent, and she asked did  
16 I have a drone. I told her no. She wanted to invest in my  
17 company by purchasing the drone if I would return the work  
18 and the pay through real estate work for her doing the  
19 drone -- you know, using the drone.  
20 And so we did that, and I started doing, you know,  
21 real estate photography and things like that.  
22 Q. When was that? When did your friend -- well, who  
23 is your friend?  
24 A. Lisa. Oh, you need her last name too?  
25 Q. Yes.

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1 '17, that transition from regular photography to 360 Virtual  
2 Drone Services. I'm not sure of the month.  
3 Q. So if 360 Virtual is incorporated in October,  
4 would you say that was three, six, nine months earlier?  
5 A. I'd hate to give you a definite time. I'm really  
6 not sure.  
7 Q. Would you still have -- did you buy the drone?  
8 A. I bought the drone, yes.  
9 Q. Do you still have the records related to the  
10 purchase of the drone?  
11 A. I'm sure I do. It came through, actually, on  
12 eBay; so I would say I can probably obtain it but I'm not  
13 positive.  
14 Q. And so do you have e-mails between you and Lisa?  
15 Or text messages?  
16 A. No.  
17 Q. And just so the record is clear, prior to Lisa  
18 buying the drone for you, there had been no photography  
19 business conducted by you?  
20 A. Regular photography; no drone photography. Like I  
21 said, I was doing friends who wanted family portraits and,  
22 you know, graduation pictures -- stuff like that, but I  
23 hadn't -- I didn't have a drone at that time; so I only did  
24 that.  
25 So that's when it was more or less kind of a

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1 hobby, you know, 50 bucks here for a shoot, 60 bucks here  
2 for a shoot. And then it just kind of progressed from  
3 there.  
4 Q. All right. So let me back up.  
5 You buy a camera in -- sometime in 2016, and you  
6 get interested in the hobby of photography; correct?  
7 A. Yes.  
8 Q. And at some point, it develops into more of a  
9 hobby by people saying, "I'll give you 50 bucks if you shoot  
10 this event"?  
11 A. Sure. Yes.  
12 Q. All right.  
13 When was that? When would be the first time you  
14 had received money in exchange for doing a photography  
15 shoot?  
16 A. I couldn't tell you the actual date.  
17 Q. Okay.  
18 Was it in 2016 or 2017?  
19 A. 2016, probably.  
20 Q. And how many times would you have been paid to  
21 shoot photographs at an event before the drone -- before  
22 buying a drone?  
23 A. I wouldn't have any way of telling you, here,  
24 without seeing any records or anything.  
25 Q. Okay.

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1 before I met Lisa.  
2 Q. Did you get the check and purchase the drone  
3 before you ever spoke to her on the phone?  
4 A. Yes.  
5 Q. And how much was the check?  
6 A. 1200.  
7 Q. All right.  
8 And so sometime in 2017? Is that fair?  
9 A. For what?  
10 Q. You bought the drone?  
11 A. Either late 2016 or '17 -- early '17.  
12 Q. And so what kind of drone was it?  
13 A. A DJI Phantom 4.  
14 Q. And so now you have this -- did you say \$1200  
15 drone?  
16 A. Oh, the drone was actually 900, and I think I  
17 bought a camera lens with the remaining for the -- for the  
18 regular camera.  
19 Q. So you have the drone and the camera lens, and now  
20 what do you do with it?  
21 A. So then I start learning how to work with the  
22 drone, you know, taking pictures and incorporating them, who  
23 my customers could be -- things like that.  
24 Q. How do you do that? How do you go about learning  
25 how to do that?

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1 More than 10?  
2 A. Maybe 10, a few more than 10 maybe.  
3 Q. And are we talking about the total of, making,  
4 like, you know, 500 bucks or something -- or did it -- was  
5 it more than that as far as --  
6 A. Oh, it was less than that starting out, yeah.  
7 Q. Okay. All right.  
8 So it really was just doing side deals with  
9 friends, like, "I'll do this for \$50" or "do this for \$75,"  
10 whatever?  
11 A. Sure. Because I was beginning the hobby; so I  
12 wasn't feeling, you know, I was that good to do it. So then  
13 the work -- just started turning out more work.  
14 Q. And how did you meet Lisa?  
15 A. She -- I was in a band and the drummer who I had  
16 hired had dated her briefly, and that's how she even knew of  
17 me.  
18 Q. So did you meet her out, like, at an event where  
19 you were playing?  
20 A. To be honest, I never met her during the entire  
21 time; everything was communicated through my drummer, like  
22 when we would do the events. He was like, "Hey, the Lisa  
23 girl wants to invest in your company," you know or "buy you  
24 a drone" or ...  
25 So we -- I got the check and purchased the drone

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1 A. Internet.  
2 Q. Where on the internet?  
3 A. YouTube, Google.  
4 Q. Take me back to 2017. Before you incorporated 360  
5 Virtual Drone Services, what are you -- what are you  
6 googling, what are you looking at on YouTube?  
7 What type of videos?  
8 A. So I'm looking up things -- you know, businesses  
9 to start with drones, industries who, you know, are using  
10 drones, future of drones -- things like that. Obviously,  
11 real estate was the number one service, you know, for drone  
12 people.  
13 So then I just started my education. I mean, I  
14 had to get, of course, certified with the Part 107 license  
15 to fly. So all of that, I googled for months, studying all  
16 the FAA regulations, the rules, what you've got to have to  
17 fly, when you can and cannot fly.  
18 So there were courses on Udemy, that's another  
19 site I went to, and the drone -- it's called Drone U, the  
20 letter U, I guess, for "university." That's an online site  
21 that also does drone education.  
22 Q. I'm going to mark this document as Exhibit 6.  
23 (Exhibit 6 marked.)  
24 Q. I've handed you what has been marked as Exhibit 6.  
25 And for the record, it is also identified by Bates numbers

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1 NCBELS 1 through 79.  
2 Have you seen those documents before?  
3 A. Of course, this is a huge packet of paper, but  
4 yes, a lot of these documents do look familiar.  
5 Q. I'll tell you that these are the documents we  
6 produced to your lawyer --  
7 A. Okay.  
8 Q. -- in what's called the initial disclosures.  
9 A. Gotcha.  
10 Q. So there's no trick question here, I was just  
11 curious if you'd seen them.  
12 And the last document in that packet, 79, is a  
13 copy of some sort of certification involving the FAA.  
14 A. Okay.  
15 Q. And it's something that actually we printed off in  
16 our office.  
17 Do you recognize that document? Have you seen a  
18 document like that before?  
19 A. I'm familiar with all the information on it. I'm  
20 not sure if I've seen this document. But, I mean, the  
21 information is all familiar.  
22 Q. And the information, is that you, Michael Rudolph  
23 Jones?  
24 A. Yes, sir.  
25 Q. And your address?

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1 certified, technically.  
2 Q. Okay.  
3 A. But as far as refreshing -- 1/18/2017 -- I mean,  
4 that sounds in the field of the time that I was  
5 transitioning from 2016, you know, hobby photography, to  
6 this time. That was my first one because you have to get  
7 them reissued every two years; so this would have been my  
8 first.  
9 Q. And so other than taking or getting this  
10 certificate, did you take any other classes before you  
11 incorporated 360 Virtual Drone Services in October?  
12 A. I'm just looking at the date.  
13 Yes. There's a North Carolina one that they  
14 supersede the FAA on, and North Carolina Statesaid you have  
15 to have a North Carolina drone -- I guess they're calling it  
16 a certificate, because it's completely null in the FAA, but  
17 they say you have to have it. It was \$25. The test wasn't  
18 hard; so I took it and got that.  
19 Q. Did you take any classes before you took that  
20 test?  
21 A. No. Just study.  
22 Q. So prior to incorporating 360 Virtual Drone  
23 Services LLC in October of 2017, did you take any classes?  
24 A. No. Besides the online -- you know, if you want  
25 to -- as far as the definition of classes, I never went to a

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1 A. Yes, sir.  
2 Q. And then it says you were -- received a  
3 certificate as a remote pilot on January 18, 2017.  
4 A. Yes, sir.  
5 Q. Okay.  
6 And that's what you were referring to a few  
7 minutes ago when you talked about you researched the FAA  
8 rules and ...  
9 What did you have to do in order to get the  
10 certificate?  
11 A. You have to take an exam at the airport or testing  
12 facility. By the way, it's referred to as a Part 107, if  
13 you need that.  
14 Q. And besides taking the exam at the airport, do you  
15 take any classes?  
16 A. No classes.  
17 Q. Okay.  
18 A. I mean, online boot camps, I studied, you know,  
19 through those but ...  
20 Q. And so does this refresh your memory about when  
21 you would have purchased a drone?  
22 Or would you -- do you know if you used somebody  
23 else's drone to get certified?  
24 A. No, I didn't use anybody else's drone to get  
25 certified because you don't have to have a drone to get

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1 class and attended anyone, like, teaching me things --  
2 Q. Correct.  
3 A. -- but I did watch many a training video, you  
4 know, before the test.  
5 Q. So other than watching YouTube videos, did you  
6 enroll in any classes?  
7 A. Not if it wasn't online. I mean, there could have  
8 been an online boot camp, if you want to call that  
9 enrolling, that I may have signed up for to take their  
10 quiz/exam, you know, practice test. But I couldn't tell you  
11 what they were. I think I may have taken -- taken one at  
12 Udemy as well.  
13 Q. Have you taken any classes in photography?  
14 A. Just online stuff.  
15 Q. Again, I'm not talking about YouTube videos, but  
16 other than watching a YouTube video or doing a google  
17 search, have you taken any classes -- any instruction,  
18 formal instruction?  
19 A. No. I have not taken any classes from any  
20 photographers.  
21 Q. No formal instruction from photographers?  
22 A. No, not on hand, not person to person.  
23 Q. Have you taken any classes or had any formal  
24 instruction involving the use of drones?  
25 A. No.

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1 Q. All right.  
2 And then, again, going back to the timeline, you  
3 incorporated 360 Virtual Drones on or about October 16th,  
4 2017.  
5 Does that sound right?  
6 And let me refer you to documents 14 and 15 of  
7 Exhibit 6.  
8 A. 4/13/2018? Is that the date you just gave?  
9 Q. So if you look at Exhibit 14, this was a  
10 printout -- again, this was done, I think, by the  
11 investigator for the board of examiners and they printed out  
12 something on your company that indicates that it was formed  
13 on 10/16/2017.  
14 A. Okay. I see the date formed.  
15 Q. Does that sound right?  
16 A. If that's what the paper says, I'm assuming that's  
17 right. Yes, sir.  
18 Q. Okay.  
19 I think what this is indicating is that's what the  
20 Secretary of State's office is reporting.  
21 A. Yes, sir. On their website.  
22 Q. And that sounds to you like about the month and  
23 date that you would have incorporated 360 Virtual Drone  
24 Services LLC?  
25 A. Yes, sir.

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1 meet her or first speak with her?  
2 A. Maybe a month or two.  
3 Q. Tell me what you spoke about.  
4 A. I just expressed my gratitude for what she had  
5 done. She was telling me that she wanted to invest in a  
6 hard worker, somebody who was going to go make something. I  
7 told her I would, and that, you know, I would pay her back.  
8 So she said, "Okay, let's go."  
9 I think she actually went and got her real estate  
10 license around that time to start working, and I was doing  
11 this; so we were just kind of like patting each other on the  
12 back and, you know, let's go build something.  
13 Q. Okay.  
14 And when was that?  
15 A. I'm not sure. I mean, a couple months after the  
16 check, whatever date we talked; but I'm not sure when that  
17 was.  
18 Q. Do you know if it was before or after you received  
19 your FAA certification?  
20 A. It was before I received that, my FAA  
21 certification.  
22 Q. All right.  
23 And so you meet her -- or do you meet her? Or do  
24 you talk to her on the phone?  
25 A. I think we may have met for lunch or something.

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1 Q. And you are the registered agent; correct?  
2 A. Yes, sir.  
3 Q. And you are the -- are you the sole owner?  
4 A. Yes.  
5 Q. So you're the only manager?  
6 A. Yes, sir.  
7 Q. And you're the only member?  
8 A. Yes, sir.  
9 Q. And prior to incorporating this, had you done any  
10 business, drone business?  
11 A. With the drone? I mean, it started out probably  
12 the same way that photography did, you know, a couple people  
13 were hiring me here and there, "Hey, you've got a drone, you  
14 know, would you come take pictures of, like, our house?"  
15 So yeah, just light hobby work. But when I saw it  
16 was getting to the point it was turning into a business,  
17 then that's what I registered.  
18 Q. So you got the drone in late 2016?  
19 A. I think it was around that time, yes.  
20 Q. You were mentioning someone by the name of Lisa  
21 A. Lisa, yes.  
22 Q. So what did you -- when did you first speak to her  
23 or meet her?  
24 A. Dated, I could not tell you.  
25 Q. How long after purchasing the drone did you first

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1 I'm not positive of the first meet we had. We may have  
2 spoken on the phone, you know, briefly prior to that. I may  
3 have called and told her thank you or something.  
4 Q. Did her boyfriend meet with you as well?  
5 A. No, she didn't have -- they just kind of had a  
6 brief relationship so she had no boyfriend. It was just me  
7 and Lisa.  
8 Q. Okay. All right.  
9 And so when did you first do any work for Lisa?  
10 A. The odd thing is I've never done any work for  
11 Lisa. She never allowed me to pay her back. She never  
12 allowed me to return the work. She just -- after a while,  
13 when I tried and kept asking her, "Are you going to let me  
14 do any work for you to return this?" she just said, "You  
15 know, you're good. Don't worry about it." And that was it  
16 Morris is her last name. I'm sorry.  
17 Q. Lisa Morris?  
18 A. Morris.  
19 Q. When's the last time you spoke to her or saw her?  
20 A. Maybe a couple of months ago. She called me when  
21 this case came out and just wanted to know what was going  
22 on.  
23 Q. Did you ever pay her the \$1200 back?  
24 A. No.  
25 Q. And you never did any work for her?

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1 A. No.  
2 Q. All right.  
3 So you have this drone and you have a camera lens;  
4 correct?  
5 A. Yes, sir.  
6 Q. You have -- now, in January of 2017, you have some  
7 sort of FAA certificate?  
8 A. Yes, sir.  
9 Q. All right.  
10 You've not taken any classes, enrolled in any  
11 classes involving photography; correct?  
12 A. No, sir.  
13 Q. Not enrolled in any classes involving the use of  
14 drones; correct?  
15 A. No, sir.  
16 Q. You've received no formal instruction regarding  
17 photography; correct?  
18 A. No, sir.  
19 Q. No formal instruction regarding the use of drones;  
20 correct?  
21 A. No, sir.  
22 Q. And then what do you do next?  
23 A. Then I just started building my business finding  
24 out how -- you know, what industries are cooking with the  
25 drones, what are they being used most for, what it looks

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1 So you're flying your drone. Are you doing that  
2 manually in Apex?  
3 A. Yes.  
4 Q. And you're flying the drone -- manually, meaning  
5 you control the drone?  
6 A. Yes.  
7 Q. It's not being controlled by a computer program?  
8 A. No.  
9 Q. And you fly the drone in Apex and you take video?  
10 A. Yes, sir.  
11 Q. And you're -- as I understand it, you're flying a  
12 piece of property that this real estate agent is trying to  
13 sell?  
14 A. Yes.  
15 Q. And was the real estate agent there when you were  
16 flying the drone?  
17 A. Yes.  
18 Q. And so how much were you paid for that?  
19 A. I'm sorry. I'm trying to remember.  
20 I want to say how it went was I did a couple of  
21 jobs for this same real estate agent and, in return, he  
22 bought my first editing computer which was around \$800. It  
23 was kind of a trade-off, pay for the computer for me doing  
24 the jobs, him helping me.  
25 Q. When did you buy the editing computer?

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1 like it's going to turn into, you know, the best industry to  
2 go with in the drones.  
3 And then I go start, you know, pushing my work  
4 doing real estate jobs. I hired on to the Droners.io  
5 website, they're kind of like a job -- a contractual job  
6 finder, I guess you could say. They just find jobs for  
7 drones and then you sign up under their website and you can  
8 bid on the job. So I did some jobs through that.  
9 There was also another site called DroneBase.com  
10 that I also did some jobs for. They were kind of the same  
11 thing, very low-hanging fruit, but just to get into the  
12 industry and stuff in my portfolio; so I did those jobs.  
13 Q. Did you do your first job before or after you  
14 incorporated 360 Virtual Drone?  
15 A. Before.  
16 Q. And what was your first job?  
17 A. I did a job for a real estate agent in Apex. It  
18 was just a real estate marketing video and photos.  
19 Q. So you're going to -- I need to go back to the  
20 drone that you bought.  
21 So you buy a drone for \$900 and you buy a camera  
22 lens. Does that camera lens allow you to take video and  
23 take still pictures?  
24 A. Yes.  
25 Q. Okay.

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1 A. I don't know what the date is.  
2 Q. Did you do that before or after you incorporated  
3 360 Virtual Drones?  
4 A. Before.  
5 Q. So walk me through the -- or walk the jury through  
6 the job in Apex, where you go out there, you bring your  
7 drone out there, the drone has a camera.  
8 Is the camera part of the drone?  
9 A. Yes, sir.  
10 Q. Okay.  
11 And can you explain to the jury how you went about  
12 taking the video and creating this project.  
13 A. So I first check the airspace location to make  
14 sure it wasn't any kind of airspace that was locked down  
15 or -- you know, from flying.  
16 Everything was clear so we then go out to the job.  
17 He meets me out there. We -- I get the drone out, we check  
18 everything out around -- make sure there's no towers, power  
19 lines, and then we launch the drone. He stands behind me,  
20 kind of guides me on what angle he wants, you know, which  
21 way he wants to feature the property from, we fly that, we  
22 take the pictures in the same manner, we get finished, we  
23 come back down, land it. I pack up, I go home, deliver --  
24 after I edit the video, I then deliver it to him via Dropbox  
25 link.

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1 Q. So do the -- when you put the drone in the air, is  
2 the drone taking pictures every few seconds --  
3 A. Uh-huh.  
4 Q. -- or is it taking pictures when you manually take  
5 the pictures?  
6 A. All manual.  
7 Q. Okay.  
8 And so you get home, and in order -- and you  
9 essentially now have a camera with data in it; right?  
10 A. Sure. Yes.  
11 Q. And what was your deliverable to this real estate  
12 agent?  
13 A. I can't remember the number exactly, maybe 20 to  
14 30 photos, still aerial photos, and then the video was  
15 probably under 3 minutes of just orbiting flights, straight  
16 pass-bys of the property, which also had details and  
17 information that I added in the postproduction that he  
18 supplied me with.  
19 Q. And so this was the work product that he hired you  
20 to do?  
21 A. Yes.  
22 Q. And this work product, you did this a couple of  
23 times for him in exchange for him buying an editing  
24 computer?  
25 A. I think that's how it went.

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1 property.  
2 Q. And then you -- do you e-mail him this work  
3 product?  
4 A. It was either Dropbox link or I may have given him  
5 a thumb drive. It's been so long ago, I can't remember  
6 exactly how we did the deliverable. But that's the two  
7 primary ways I deliver products anyway.  
8 Q. Either Dropbox or a thumb drive?  
9 A. Mostly Dropbox, but the occasional person wants a  
10 thumb drive.  
11 Q. Do you still have the same Dropbox account?  
12 A. Yes.  
13 Q. And so after you -- I take it you do a couple of  
14 projects for Mr. Mills?  
15 A. Yes.  
16 Q. And then you -- why did you need the editing  
17 computer if you already were using certain software?  
18 A. Because -- okay. So the editing software which is  
19 on the Apple, it's called Final Cut Pro, you have to have  
20 pretty substantial hardware set up to run that program  
21 fluently, and I just didn't have a computer -- I had a  
22 computer, but I didn't have an editing machine, you know,  
23 with the RAM memory and the space to actually use.  
24 So he was just discussing wanting, you know,  
25 writing on the screen that popped up and told details So I

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1 Q. Okay.  
2 Who is the real estate agent?  
3 A. I figured you were going to ask me. Do you mind  
4 if I look at my phone?  
5 Q. Sure.  
6 MR. HANNA: Why don't we go off the record  
7 (Discussion off the record.)  
8 Q. We're back on the record.  
9 What was the name of the real estate agent that  
10 you worked for in 2017?  
11 A. In Apex?  
12 Q. Yes.  
13 A. Billy Mills.  
14 Q. And if you could explain to the jury, when you get  
15 back home, how exactly do you process the data that you  
16 called the work product, the 20 to 30 still photos and the  
17 3-minute video, how do you do that?  
18 A. So that's on an SD card which is in the drone.  
19 All the data is recorded onto the SD card. I then load the  
20 SD card into my computer, upload the photos and video.  
21 Photos get taken into an editing program for still  
22 photography; videos get loaded into a program called Final  
23 Cut Pro, which is a film editing program. And that's where  
24 I edit the video into short clips, 10- or 12-second clips,  
25 multiple clips, to create kind of a highlight reel of the

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1 just expressed to him, "Hey, I'm saving up for a computer  
2 that will allow me to do that," and that's when he kind of  
3 offered, like, "Hey, you know, I'll get that for you if you  
4 want to trade out this work for it and then that's how I'll  
5 pay you." So ...  
6 Q. So when you did the first work product of 20 to 30  
7 photos, you're just uploading photos, going through, making  
8 sure that you're picking 20 or 30 that are the best photos,  
9 I take it?  
10 A. Yes.  
11 Q. And then the 3-minute video is something you  
12 just -- did you have to edit that at all?  
13 A. Yes.  
14 Q. Okay.  
15 And so other than editing it, you're just sending  
16 him information; you're not drawing lines or pictures or  
17 putting words or anything on it?  
18 A. Not on this one -- yes, I am doing words of the  
19 details that I mentioned earlier that he supplied me with.  
20 Q. Okay.  
21 A. It's like the acreage. You know, it's close to  
22 401, you know, proximity, it's close to -- you know, details  
23 like that, just kind of traditional real estate stuff.  
24 Q. And so -- but you're providing him with photos and  
25 video?

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1 A. Photos and videos for this, yeah.  
2 Q. And do you still do that today? Do you still  
3 provide customers photos and videos?  
4 A. Yes.  
5 Q. And then as I understand the timeline, between --  
6 your lawsuit alleges that "Between 2017 and 2019, Michael  
7 offered drone photography services through a single-member  
8 LLC, 360 Virtual Drone Services LLC, to clients."  
9 Is that true? Did you offer drone photography  
10 services between 2017 and 2019 to clients?  
11 A. Yes.  
12 Q. And then in December of 2018, you received a  
13 letter from the Board of Examiners for Engineers and  
14 Surveyors; correct?  
15 A. Yes.  
16 (Exhibit 3 marked.)  
17 Q. Mr. Jones, I'm going to hand you what's been  
18 marked as Exhibit 3.  
19 Exhibit 3 is a document that was produced by your  
20 lawyer in this lawsuit, and it's just called "Plaintiff's  
21 Rule 26 Initial Disclosures."  
22 Have you seen that before?  
23 A. Yes, I think so.  
24 (Exhibit 4 marked.)  
25 Q. And then related to your initial disclosures is

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1 that were produced during your initial disclosures?  
2 A. Which documents are you referring to? I'm sorry.  
3 Q. Exhibit Number 4.  
4 A. So this packet?  
5 Q. Yes.  
6 A. So all of this?  
7 Q. Correct.  
8 MR. GEDGE: I'll just object to the extent it  
9 requires disclosing attorney-client communication or work  
10 product.  
11 MR. HANNA: Fair enough.  
12 MR. GEDGE: To the extent you can answer ...  
13 Q. Yeah, because I don't want to get into -- to make  
14 the record clear, I don't want to get into anything you've  
15 talked to your lawyer about or any advice you received or  
16 assistance about, "Hey, this is how you answer these  
17 questions."  
18 But I do want to -- if you go back to Exhibit 3,  
19 Exhibit 3 is a copy of the initial disclosures that were  
20 served on your behalf and also on behalf of your company.  
21 A. Okay.  
22 Q. And the lawsuit that was filed, you filed a  
23 lawsuit on behalf of your company and on behalf of yourself  
24 individually; correct?  
25 A. Yes, sir.

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1 Exhibit 4.  
2 And Exhibit 4 is a copy of the documents that you  
3 produced in this lawsuit during the initial disclosures.  
4 A. I'm sorry. Could you repeat that?  
5 Q. Sure.  
6 So Exhibit 4 is related to Exhibit 3. It's a copy  
7 of the documents that were produced by you during the  
8 initial disclosure phase.  
9 A. Okay.  
10 Q. And those documents are -- they're marked  
11 Plaintiffs' 1 through 13.  
12 A. Okay.  
13 Q. Have you seen those documents before?  
14 A. Yes.  
15 Q. And the board investigation letter that we  
16 mentioned a few minutes ago that was received by you in  
17 December of 2018, that is the first document in that  
18 Exhibit 4, right, Plaintiffs' 01?  
19 A. Yes, sir.  
20 Q. And then in response to that, did you send the  
21 board an e-mail on January 2, 2019?  
22 A. I think I did. I'm not sure the date, but I  
23 definitely replied through e-mail.  
24 Q. And did you produce -- strike that.  
25 How did you go about creating the set of documents

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1 Q. Okay.  
2 And then the initial disclosures, question  
3 number 1 is a question that says: "Individuals likely to  
4 have discoverable information that plaintiffs may use to  
5 support their claims."  
6 Do you see that?  
7 A. Yes, I see that.  
8 Q. Okay.  
9 And so you've made a claim in this case -- a First  
10 Amendment freedom of speech claim; correct?  
11 A. Yes, sir.  
12 Q. Okay.  
13 And you've identified certain individuals that you  
14 believe may have discoverable information that you will use  
15 to support your claims; correct?  
16 A. Can you repeat that. I'm not quite sure --  
17 Q. You have identified some individuals here --  
18 A. Okay. The listed ones in bold?  
19 Q. Yes.  
20 A. Okay.  
21 Q. And those are the individuals that you believe to  
22 have discoverable information that plaintiffs may use to  
23 support their claims?  
24 A. I'm not sure about these names, maybe just because  
25 I'm unfamiliar with it or it's been a while.

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1 Q. Well, let me help you out.  
2 A. Sure.  
3 Q. So the first name on the list is you, right, the  
4 plaintiff?  
5 A. Right.  
6 Q. And you're the owner of the company?  
7 A. Yes, sir.  
8 Q. 100 percent owner; correct?  
9 A. Yes, sir.  
10 Q. The second group of names are the defendants in  
11 the lawsuit --  
12 A. Okay.  
13 Q. -- that were all named in their official capacity?  
14 A. Okay. Thank you.  
15 Q. Yes, sir.  
16 And then the third name on the list -- who is  
17 Chris Alexander?  
18 A. I'm not -- Chris Alexander, I don't know.  
19 Q. Okay.  
20 Are there any other witnesses, sitting here today,  
21 that you think you would use to support your claims? And,  
22 again, I don't want to get into anything you talked to your  
23 lawyer about about strategy, but just -- you understand the  
24 case; right?  
25 A. I understand the case, yes.

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1 A. Okay.  
2 Q. 13 pages; correct?  
3 A. Yes.  
4 Q. All right.  
5 And this is something where you're producing  
6 information that you may use, not that you will use, but  
7 that you may use to support your claims.  
8 Do you understand that?  
9 A. Yes.  
10 Q. All right.  
11 And are you aware of any other documents that you  
12 have in your possession or electronically stored information  
13 or tangible things that you may use to support your claims?  
14 A. I'm not sure about that.  
15 Q. What does that mean, "not sure"?  
16 A. I have documents at the house I'm not sure what  
17 is going to be applicable to the case that we may use. So  
18 to be honest answering you, I'm not sure if those documents  
19 are going to be used. I mean, I keep records of everything  
20 So yes, I have documents; whether they're used in this, I'm  
21 not sure; I've not been told.  
22 Q. Okay.  
23 And sitting here, what documents are you thinking  
24 of?  
25 A. Records of certifications or job timelines,

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1 Q. You read the complaint before it was filed;  
2 correct?  
3 A. Yes, sir.  
4 Q. It's your lawsuit; correct?  
5 A. Yes, sir.  
6 Q. It's not your lawyer's lawsuit; right?  
7 A. No, sir.  
8 Q. All right.  
9 And can you think of any other witnesses that  
10 you're going to use to support your claims other than these  
11 people you've identified?  
12 A. I'm not aware of any, no.  
13 Q. Okay.  
14 And then question number 2, do you see that one,  
15 where it says "Documents, electronically -- documents,  
16 electronically stored information, and tangible things in a  
17 plaintiffs' possession, custody, or control that plaintiffs  
18 may use to support their claims"?  
19 A. I suppose we do have documents that back up our  
20 claims, yes.  
21 Q. Okay.  
22 And you've produced those?  
23 A. I produced what you have here in this packet, yes.  
24 Q. Right.  
25 You produced 13 documents?

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1 conversations with clients ...  
2 Q. Let me flip back to the timeline.  
3 A. Okay.  
4 Q. So there was a -- do you recall giving an  
5 interview to the board investigator on about February 7,  
6 2019?  
7 A. If that was that meeting at the library in  
8 Goldsboro, yes.  
9 Q. Okay.  
10 Let me turn your attention back to Exhibit 6, this  
11 packet.  
12 A. Okay.  
13 Q. If you look at -- if you turn to document  
14 number 9, NCBELS 9 of Exhibit 6.  
15 A. Yes, sir.  
16 Q. Okay.  
17 And there is a three-page document that appears to  
18 have been generated by the board investigator that states  
19 "Report of Interview with Michael Jones on February 7,  
20 2019."  
21 Do you see that?  
22 A. Yes, sir.  
23 Q. Okay.  
24 And have you seen this document before?  
25 A. Yes, sir.

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1 Q. Do you recall giving an interview to --  
2 A. William.  
3 Q. -- yeah, Mr. Casey --  
4 A. Yes, I do.  
5 Q. -- on February 7?  
6 A. I do.  
7 Q. And then earlier I'd asked you about an e-mail.  
8 If you flip back a few pages, there appears to be an e-mail  
9 from you to Mr. Casey dated January 2, 2019.  
10 And that's on document number 4.  
11 A. 4? Right here? Yes, I do see that.  
12 Q. Okay.  
13 And do you recall sending him an e-mail on the 2nd  
14 of January?  
15 A. I do.  
16 (Exhibit 2 marked.)  
17 Q. Okay.  
18 And then it looks like there was -- after the  
19 interview, Exhibit 2, Deposition Exhibit 2, which is also  
20 identified as Exhibit 1 to your complaint, is that the  
21 letter that you received from the Board of Examiners for  
22 Engineers and Surveyors in June of 2019?  
23 A. Yes. This was, like, the second letter after the  
24 meeting.  
25 Q. Okay.

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1 Q. Yes. And if you could turn to paragraph 77.  
2 In paragraph 77 -- first of all, let me move up a  
3 little earlier.  
4 Do you see the top of the page it says "Injury to  
5 Plaintiffs"?  
6 A. Yes, sir.  
7 Q. Okay.  
8 And then paragraph 72 says: "Before the Board  
9 issued its June 13, 2019, letter, plaintiffs offered and  
10 provided drone services such as aerial orthomosaic maps,  
11 aerial images containing location information, and aerial  
12 images of land that include lines indicating the rough  
13 position of property lines."  
14 Do you see that?  
15 A. Yes, sir.  
16 Q. All right.  
17 And is that true, what was alleged in  
18 paragraph 72?  
19 A. Yes.  
20 Q. All right.  
21 And then paragraph 73 is basically saying, "Hey,  
22 following the board's June 13 letter, we no longer offer  
23 aerial orthomosaic maps"; correct?  
24 A. Yes.  
25 Q. "We no longer offer aerial images containing

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1 MR. GEDGE: Do you have a copy of that?  
2 MR. HANNA: Oh, I'm sorry. Yeah.  
3 MR. GEDGE: Could we take a break when you  
4 get to a natural stopping point?  
5 MR. HANNA: Yeah, let me just get a couple of  
6 housekeeping and we'll take a break.  
7 (Exhibit 1 marked.)  
8 Q. Mr. Jones, I keep referring to the lawsuit. I'm  
9 going to hand you what's been marked as Exhibit 1.  
10 Do you recognize that lawsuit that was filed?  
11 A. Yes.  
12 Q. And then going back to the timeline real briefly,  
13 you received the letter in June of 2019, and based on that  
14 letter, you stopped performing certain services; correct?  
15 A. Yes. Yes, sir.  
16 Q. And then the next thing I have on my timeline is  
17 March of 2021 when you filed the lawsuit.  
18 So not quite two years later, you're filing a  
19 First Amendment lawsuit; correct?  
20 A. Yes, sir.  
21 MR. HANNA: Let's take a break.  
22 (Recess taken, 11:01 to 11:18 a.m.)  
23 Q. Back on the record.  
24 I think I had handed you Exhibit 1, the complaint.  
25 A. This?

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1 location information"; correct?  
2 A. Yes.  
3 Q. And "We no longer offer aerial images of land that  
4 includes lines indicating the rough position of property  
5 lines."  
6 A. Yes.  
7 Q. And when you say you no longer offer this, it's  
8 your company; right? 360 Virtual Services -- 360 Virtual  
9 Drone Services?  
10 A. Yes, sir, which is me.  
11 Q. Right.  
12 You don't yourself individually offer any services  
13 in your name; correct?  
14 A. No.  
15 Q. And you don't transact any business, drone  
16 business or photography business under your name?  
17 A. No.  
18 Q. And then if I drop down to 76 -- and we talked  
19 about this earlier, but you still use your drone to -- for  
20 certain projects; right?  
21 A. Yes, I still do.  
22 Q. You're still hired to perform a work product in  
23 the form of images or video, something of that sort;  
24 correct?  
25 A. Yes, sir.

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1 Q. And then paragraph 77, as I read it, is sort of  
2 the heart of the lawsuit, and it says to the Court that your  
3 company -- when you say "plaintiffs," you mean your company;  
4 right? 360 Virtual Drone Services?  
5 A. Plaintiffs, me and the company, 360 Virtual Drone  
6 Services.  
7 Q. But you through your company; correct?  
8 A. Yes, sir.  
9 Q. That you wish "to offer and provide drone services  
10 that include the following" -- and I'm going to say  
11 number 1, "capturing aerial images on behalf of paying  
12 clients and using orthomosaic software to stitch those  
13 aerial images together to form orthomosaic maps."  
14 A. Yes.  
15 Q. That's what you want to be able to do?  
16 A. Yes, sir.  
17 Q. And you're not doing that because of the June 13,  
18 2019, letter; correct?  
19 A. Because of the warning letter, yes, sir.  
20 Q. Okay.  
21 And then number 2, you want to create "marketing  
22 images of land on behalf of paying clients and drawing those  
23 images lines indicating the approximate position of property  
24 boundaries."  
25 A. Yes, sir.

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1 I haven't said roof inspections yet. Agriculture, farm,  
2 there's software to get the health of the crops. That's  
3 also included in the orthomosaic.  
4 So by -- according to the letter, I can't do any  
5 of that. So those are also things in addition to what's  
6 listed that I would like to be able to do.  
7 Q. And the items or the projects that you mentioned  
8 seem to fall under item 1, which is capturing aerial images  
9 on behalf of paying clients and using orthomosaic software  
10 to stitch those aerial images together to form orthomosaic  
11 maps.  
12 A. Yes. And orthomosaic maps would be the definition  
13 of the end product of that.  
14 Q. All right.  
15 A. I just want to make sure everyone knew that those  
16 extra items I mentioned also, you know, were developed from  
17 the orthomosaic map.  
18 Q. As I understand, your testimony is if you're able  
19 to do this, to use this, use your drone in connection with  
20 certain software to take images, stitch the images together  
21 and create orthomosaic maps, then you can do the type of  
22 projects that you just mentioned a few minutes ago; correct  
23 A. Yes, sir.  
24 Q. All right.  
25 And so other than the four items there listed

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1 Q. Number 3, going to 77 -- paragraph 77.c, the third  
2 item is "capturing aerial images of land and structures  
3 (along with location data, coordinates, elevation data, and  
4 volume data) and making those images and that data available  
5 to bank paying clients"; correct?  
6 A. Yes, sir.  
7 Q. That's what you want to do but you can't do that  
8 based on June 13, 2019, letter?  
9 A. Yes, sir.  
10 Q. And then number 4, "capturing aerial images of --  
11 and data about land and structures; processing those images  
12 and data to create 3D digital models of land structures and  
13 making those 3D digital models available to paying clients."  
14 That's what you want to do; correct?  
15 A. Yes, sir.  
16 Q. Okay.  
17 Is there anything else that you're complaining  
18 about that you're not able to do because of the board's  
19 June 13 letter?  
20 A. Yes. There's other stuff.  
21 Q. Okay.  
22 What else?  
23 A. Parking lot paving inspections, which involves  
24 stitching; cemetery plot availability for cemeteries that  
25 also involves stitching pictures of the orthomosaic map. If

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1 under paragraph 77, are you complaining about anything else  
2 that you're not able to do as a result of action taken by my  
3 client, the Board of Examiners for Engineers and Surveyors?  
4 A. So, yes, there is another one that I don't think  
5 is covered under the orthomosaic which requires stitching of  
6 the pictures, but it doesn't produce an orthomosaic map; it  
7 produces a navigable 360 image that is on a picture where  
8 they can move with the cursor or mouse on their device and  
9 move the picture around. Those are created by stitching  
10 pictures together, but it's not considered an orthomosaic  
11 map. I would also like to do that.  
12 Q. Have you ever done that?  
13 A. Yes.  
14 Q. And who did you do that for?  
15 A. National Land Realty.  
16 Q. Do you have an example of that work product? Do  
17 you still have that work product?  
18 A. Yes, I do have some examples of that.  
19 Q. Anything else?  
20 A. I think that is it.  
21 Q. And so just so I'm clear -- and the reason why I'm  
22 asking this is in paragraph 77, these four items are  
23 identified by you and your company as plaintiffs in the  
24 lawsuit, and then when you get into the First Amendment  
25 claim starting on page 19 of the lawsuit, you see those

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1 paragraph 77 items being repeated -- they're sort of broken  
2 down one by one.  
3 And so I was just curious if there were any more  
4 examples of drone services that you want to provide that  
5 you're not being able to provide.  
6 And you've identified an example of creating a 360  
7 image. Anything else other than the 360 image?  
8 A. Okay. So I'm going to answer that by saying no,  
9 but the possibilities are endless to what these things could  
10 do.  
11 So in a week from now, there may be another option  
12 that I'd like to do with drones that they've come up with.  
13 But as of right this second, I would say no, I can't think  
14 of any other services that I would like to offer.  
15 Q. And the reason why I ask this is because the Court  
16 at some point -- the judge, Judge Flanagan, is going to try  
17 to understand the facts, what you're complaining about.  
18 A. Okay.  
19 Q. And so the idea that, you know, the possibilities  
20 are endless, that's not something that we're able to judge.  
21 We need to judge what it is that you're not able to do that  
22 you say you've done before or that you want to do.  
23 Do you understand?  
24 A. Yes.  
25 Q. Okay.

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1 A. Yes, sir.  
2 Q. Okay.  
3 So the board sent you a letter dated December 19,  
4 2018. And in the letter -- and that's the first document of  
5 Exhibit 4.  
6 In that letter, they say: "Based upon a review of  
7 the firm's website (carolinadronehome.com) by the surveying  
8 committee of the board and an advertisement on the  
9 Droners.io website, it is alleged that the firm may be  
10 practicing or offering to practice land surveying."  
11 Do you see that?  
12 A. I do see that.  
13 Q. All right.  
14 Is that your website, carolinadronehome.com?  
15 A. That is my website.  
16 Q. Okay.  
17 Is that still your website today?  
18 A. Yes, sir.  
19 Q. And you indicated earlier, I think, in the  
20 deposition, that you did advertise on Droners.io website;  
21 correct?  
22 A. Yes, sir.  
23 Q. And then the board's letter goes on to say: "The  
24 services include, but are not limited to, quote, 'surveying  
25 & mapping,' unquote, and providing orthomosaic maps of

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1 A. So yes, my answer would be that is it, what I have  
2 listed.  
3 Q. Okay.  
4 And just so you understand, one of the purposes of  
5 this deposition is for me to discover what your lawsuit is  
6 about; so I'm just trying to make sure I understand --  
7 A. Sure.  
8 Q. -- what's in your lawsuit. Okay?  
9 A. Yes, sir.  
10 Q. If you look at paragraph 77.d, 77.d talks about  
11 capturing aerial images of and data about land and  
12 structures, processing those images and data to create 3D  
13 digital models of land and structures, and making those 3D  
14 digital models available to paying clients.  
15 Do you see that?  
16 A. Yes, I do see that.  
17 Q. And does this 360 image that you're talking about,  
18 is that covered under paragraph 77.d?  
19 A. No. It doesn't.  
20 Q. All right.  
21 I want to switch gears and ask you a little bit  
22 about the December letter that you received from the board.  
23 And when I say "board," do you understand I'm talking about  
24 my client, the Board of Examiners for Engineers and  
25 Surveyors?

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1 construction sites."  
2 Do you see that?  
3 A. I do see that.  
4 Q. All right.  
5 And in fact, on that Droners.io website, you were  
6 advertising the services of, quote, "surveying & mapping,"  
7 close quote; correct?  
8 A. Yes.  
9 Q. And then on that website, were you advertising  
10 providing orthomosaic maps?  
11 A. Yes.  
12 Q. Now, I mentioned earlier -- and I'm going to force  
13 you to switch to Exhibit 6 here, but I mentioned earlier the  
14 e-mail that you sent, which is document 4, I think.  
15 A. Okay.  
16 Q. So how did you get ahold of Mr. Casey?  
17 A. Mr. Casey, William Casey, okay, he sent the -- he  
18 contacted me through the e-mail, the initial letter. I  
19 contacted him back. I'm not sure if we talked on the phone  
20 or in this e-mail, somewhere, we arranged a meeting at the  
21 library in the city of Goldsboro. We made that date. We  
22 both met person-to-person. We had a, I guess, maybe an hour  
23 meeting and that was it.  
24 Q. All right.  
25 Let me ask you about your e-mail.

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1 A. Okay.  
2 Q. And it looks like there's one, two, three, four,  
3 five -- are these just -- is this just sort of a formatting  
4 error?  
5 A. Yeah. That looks weird. I'm not sure what  
6 happened there.  
7 Q. All right.  
8 And then you -- do you see, next to number 2, it  
9 was "we"?  
10 A. Yes.  
11 Q. All right.  
12 And then it says: "We added this to the company's  
13 website. And to any of the videos that offer any services  
14 for construction industry. Also any videos that have  
15 property lines added to them in post video production, we  
16 also addressed those videos as well stating that the lines  
17 are for visual purposes ONLY and are NOT accurate nor do  
18 they represent any city or county documentation for that  
19 property."  
20 Do you see that?  
21 A. Yes.  
22 Q. All right.  
23 So what are you talking about there?  
24 A. So the part, number 2 where I say we've added this  
25 to the company website and any videos of service to

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1 Q. So you're somehow interfacing with the GIS map to  
2 get lines?  
3 A. "Interfacing" as in just using it as a visual  
4 reference. Like, if this was the map, then I would just  
5 look at this and copy this line from this onto my picture or  
6 video.  
7 Q. How do you do that?  
8 A. Through the software Final Cut Pro. So I would go  
9 in, you open the plug-in up, you drag it on top of the video  
10 footage. You take your mouse and you draw a line pointing  
11 around the property to each point, and then you hit track.  
12 It tracks every scene, every frame, all the way down. So  
13 the lines -- if the picture's moving, it tracks with the  
14 lines, and then that's it once I, you know, render the file  
15 out; it is all in one file then.  
16 Q. All right.  
17 And just so I understand, because it is a little  
18 confusing to me --  
19 A. Sorry.  
20 Q. -- you have a map, a GIS map with lines on it that  
21 the Realtor -- or the client gives you.  
22 A. To be clear, it may not be a GIS map, but it's  
23 some kind of a map that they have, most likely from Google  
24 Earth or something like that, that they've given me and  
25 said, "I need you to take a picture of this property and --

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1 construction was my disclaimer to state that I wasn't a  
2 surveyor and that this was being offered for visual  
3 representation only and no valid measurements could be used  
4 and turned in to any kind of official office.  
5 Q. And how do you do that? How do you add property  
6 lines in post video production?  
7 A. In video? Is that all -- you want to know about  
8 video?  
9 Videos use what the post -- it's an editing  
10 program, Final Cut Pro. There's many; that's the one I use.  
11 There's a plug-in on that that you can track items in the  
12 video.  
13 Q. But how do you do it? How do you know where to  
14 put -- add property lines?  
15 A. When I do it, I use the GIS county map that the  
16 Realtor -- when I go with the Realtor or whoever is hiring  
17 me, most of the time they already have the map with the  
18 lines already drawn on it and that they have been using to  
19 advertise. Then they come to me because they want an  
20 updated version; so then I just basically replicate what  
21 they've given me. But it's with updated pictures. So I'll  
22 update the picture -- take the picture in real time, then I  
23 take it into Photoshop or, if it's video, it's Final Cut  
24 Pro, and then by looking at the lines from GIS, I add the  
25 lines to that from the GIS map.

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1 for an advertisement, and here's the lines on it."  
2 Q. Okay.  
3 And so you have a map and you're not exactly sure  
4 where it comes from?  
5 A. No.  
6 Q. And it has -- there's a map of a property with  
7 lines on it?  
8 A. Yes, sir.  
9 Q. And then you go ahead and you take pictures and  
10 video of the site?  
11 A. Yes, sir.  
12 Q. And are you doing this manually or are you doing  
13 this through some sort of computer program?  
14 A. Manually.  
15 Q. All right.  
16 And then you upload the data on your computer from  
17 the drone?  
18 A. Yes, sir.  
19 Q. And then you're able to access the picture of the  
20 site or pictures of the site, and at some point, you use  
21 software to actually draw the lines yourself?  
22 A. Yes.  
23 Q. And essentially what you're doing, if I understand  
24 it, is you're using this picture that was given to you by a  
25 client with lines on it and you're just trying to replicate

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1 that yourself using the software?  
2 A. Yes.  
3 Q. And you're doing that manually yourself?  
4 A. Yes.  
5 Q. Okay.  
6 And then you -- on top of putting the lines on  
7 this finished work product, you were putting in this  
8 disclaimer?  
9 A. Yes. I was, but they told me that it didn't  
10 matter; so ...  
11 Q. In your disclaimer, you say "These maps do have a  
12 relative accuracy of 1 to 3 inches."  
13 How are you able to make that claim?  
14 A. That's the claim from the software, Pix4D and  
15 DroneDeploy, that creates the orthomosaic maps from the data  
16 that I collect.  
17 Q. And then you go on to tell the client: "This  
18 means the measurable points on the map are within 1 to 3  
19 inches accurate to a ground measurement."  
20 A. Yes.  
21 Q. Where do you get that information?  
22 A. As far as the information, I could replicate it.  
23 Q. I mean, how are you able to make that  
24 representation to the client?  
25 A. I could measure on the ground with a tape measure

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1 A. So different software companies offer different  
2 packages as far as the availability of it. DroneDeploy at  
3 the time offered a "free up to a certain point of data" that  
4 you could enter that would create the map. So I just used  
5 the free version. And I think for a month, maybe, I  
6 subscribed.  
7 Q. So when you were creating orthomosaic maps, were  
8 you doing that using the free service?  
9 A. Yes.  
10 Q. Do you still use DroneDeploy today?  
11 A. No.  
12 Q. Did you stop using DroneDeploy in June of 2019?  
13 A. Yes.  
14 Q. Did you ever subscribe to any paid service through  
15 DroneDeploy?  
16 A. Yes.  
17 Q. And how long? Is that that one month?  
18 A. Yes. Like a month or two. It wasn't long at all  
19 because it's very expensive and there was no work and  
20 turnaround for it; so ...  
21 Q. Okay.  
22 So do you know if you ever did any -- did you ever  
23 create any work product for a client using the paid  
24 subscription?  
25 A. I would not be being honest if I tried to answer

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1 and then actually replicate that with the picture of the  
2 orthomosaic map and then confirm through the tape and the  
3 picture. They have a tool in the DroneDeploy and Pix4D that  
4 you can draw, to click here, to click here, to get that  
5 measurement. So that's provided in the software.  
6 So using that, that maps what I would replicate on  
7 the ground with a tape measure.  
8 Q. Did you ever do that? Did you ever double-check  
9 to see -- when you used DroneDeploy and you inserted your  
10 points to get distance, did you ever go onto the ground and  
11 measure to see if that was accurate?  
12 A. Yes.  
13 Q. Okay.  
14 And what was -- what were your results?  
15 A. It was dead on.  
16 Q. What is DroneDeploy?  
17 A. DroneDeploy is a company who offers mapping  
18 software, among other things. They have other things, but  
19 that is their claim to fame, so to speak.  
20 Q. When did you first start using the mapping  
21 software offered by DroneDeploy?  
22 A. I would guess 2017 at some point.  
23 Q. And did you do this -- did you subscribe to buy a  
24 license or how did you -- did you have to buy the software?  
25 How did you go about doing this?

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1 that. I would guess maybe I did once, but it would be hard  
2 to tell when in that timeline I actually produced the  
3 orthomosaic map and if my subscription was valid at that  
4 point.  
5 Q. Going back to that e-mail on the second page,  
6 which would be I think page 5 --  
7 A. Okay.  
8 Q. -- if you see under number 2, it says: "We also  
9 address the Droners.io website profile."  
10 Do you see that?  
11 A. Yes, sir.  
12 Q. And then you wrote to the board, quote: "On this  
13 website, there are categories that you are opted to select  
14 from. The title of one I had added to my, quote, 'area of  
15 expertise,' unquote, was, quote, 'mapping and surveying,'" unquote.  
16 Do you see that?  
17 A. Yes, sir.  
18 Q. And so you were advertising expertise in mapping  
19 and surveying on Droners.io website; correct?  
20 A. No, I wouldn't say correct.  
21 Q. Okay.  
22 On the Droners.io website, you -- you had a  
23 profile for your company, 360 Virtual Drone Services;  
24 correct?  
25

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1 A. Yes, sir.  
2 Q. And did you pay for that?  
3 A. No. That works off of, I guess you could call, a  
4 commission basis.  
5 Q. And so you advertised on Droners.io website,  
6 advertised drone services; correct?  
7 A. They have a profile page and yes, I filled out a  
8 profile page.  
9 Q. And under the profile page, there's a part of that  
10 that says "area of expertise"; correct?  
11 A. Not sure it's stated just like that, but yes, it  
12 gives you options to choose your selected services.  
13 Q. All right.  
14 You wrote in this e-mail: "The title of one I had  
15 added to my, quote, 'area of expertise,'" unquote.  
16 Do you know why you were putting that in  
17 quotations?  
18 A. Just because I generally didn't know how it was  
19 listed on Droners; so "areas of expertise" was just a title  
20 I picked out, I guess.  
21 Q. Okay.  
22 And what is that meant to explain to the board?  
23 A. Okay. What are you asking, "what's meant to  
24 explain"?  
25 Q. Yeah. Why did you use the words "area of

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1 paragraph; correct?  
2 A. Yes.  
3 Q. And it goes on to say the services that were  
4 advertised by you "include, but are not limited to,  
5 surveying and mapping."  
6 Do you see that?  
7 A. Yes, sir.  
8 Q. Okay.  
9 And then you provided them a link to your profile  
10 in this e-mail; correct?  
11 A. Yes, sir.  
12 Q. Do you still advertise there?  
13 A. No, sir. My account is not active there.  
14 Q. And then you have a few questions that you want to  
15 ask the board; right -- in your e-mail?  
16 A. Yes.  
17 Q. And then you write: "So we of course offer  
18 orthorectified mapping," and then you put in parens,  
19 (orthomosaic maps) (measurable maps)."  
20 What are you talking about there?  
21 A. So I guess you're asking for the definition of  
22 orthomosaic map? Is that what you're looking for?  
23 Q. I'm trying to understand -- you said "So we of  
24 course offer" and then you use the term "orthorectified  
25 mapping."

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1 expertise" to explain --  
2 A. So on Droners.io, they have a spot where you can  
3 select your services of what you want to participate in in  
4 offering your clients, okay.  
5 So I'm not sure if they have the words "area of  
6 expertise" on the site. It may have "specialties." It may  
7 have "areas you would like to participate."  
8 So as far as the writing, I'm not positive on  
9 that; it's just an option on the site where you can choose.  
10 And they already have them prefilled-in boxes; so you don't  
11 get to write out, you have to choose the options they  
12 already have.  
13 Q. And your -- one of the options that you chose to  
14 advertise on Droners.iowebsite was "mapping and surveying"?  
15 A. Yes, sir.  
16 Q. Okay.  
17 And that's what the board saw and sent you the  
18 letter in December; correct?  
19 A. I'm not positive. Maybe.  
20 Q. Okay.  
21 Well, go back to Exhibit 4, the letter in  
22 December.  
23 A. Okay.  
24 Q. And when I read the letter, it says -- they've  
25 referenced specifically the Droners.io website in the second

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1 What is that?  
2 A. That is the process of the mapping putting -- put  
3 together in an orthomosaic map; so that's multiple pictures  
4 being used to create one picture.  
5 Q. And you say these are measurable maps; correct?  
6 A. Yes.  
7 Q. And this one picture that is processed by the  
8 software, you said they do that with "RTK and Ground Control  
9 Points."  
10 A. Uh-huh.  
11 Q. What is RTK?  
12 A. RTK and Ground Control Points are GPS modules you  
13 use in capturing when you're making orthomosaic maps or in  
14 surveying, I guess. I don't know what they're -- they're a  
15 module you have to buy. They're very expensive. Those are  
16 used to establish certain ground control points on the  
17 ground so when you're doing your map, you can make sure the  
18 cloud points are accurate to those ground control points.  
19 Q. All right.  
20 So when you say: "So we of course offer  
21 orthorectified mapping (orthomosaic maps) (measurable maps),"  
22 did you mean to have a period there before you start with  
23 "with RTK"?  
24 A. Maybe.  
25 Q. Okay.

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1 "With RTK," was that the beginning of another  
2 sentence or was that part of the first sentence?  
3 A. I'm not sure.  
4 Q. You say: "With RTK and Ground Control Points we  
5 have the ability to offer global accurate maps and relative  
6 accurate maps."  
7 Do you see that?  
8 A. Yes, sir.  
9 Q. All right.  
10 And so are you telling the board that you're  
11 creating orthomosaic maps with RTK and control points?  
12 A. No, I'm not telling the board that.  
13 Q. Okay. All right.  
14 Did you -- were you doing that? Were you creating  
15 orthomosaic maps with RTK and ground control points?  
16 A. No.  
17 Q. All right.  
18 What is this sentence that says -- or this  
19 information that says: "With RTK and Ground Control Points  
20 we have the ability" -- are you saying what you could do --  
21 A. Yes.  
22 Q. -- or what you have done?  
23 A. I'm saying what the technology is capable of.  
24 Q. All right.  
25 And did you ever do that?

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1 biweekly"?  
2 A. Yes, sir.  
3 Q. And do you do that by video?  
4 A. It would depend. You could do it by video or  
5 pictures really. But I think in this case, most people were  
6 looking to orthomosaic map.  
7 Q. Why is that? Why are they looking for orthomosaic  
8 map instead of pictures and a video?  
9 A. The orthomosaic map would be way more efficient if  
10 you're looking at a site that's, you know, a thousand acres  
11 or a construction site that's very large.  
12 Q. The next one: "Investors can see the site as it  
13 constructs."  
14 A. Yes.  
15 Q. Do you see that?  
16 Was that by video?  
17 A. That is also by orthomosaic map.  
18 Q. Can you do it by video?  
19 A. You could, yes, sir.  
20 Q. And then you have "quality control."  
21 Do you see that?  
22 A. Yes, sir.  
23 Q. What is that?  
24 A. It's a quality control on your -- I'll use  
25 construction, for example.

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1 A. No. I couldn't. These -- the equipment for that  
2 is so expensive, I alone could not ever afford that.  
3 Q. Okay.  
4 And then you say: "We do however have to work  
5 with a licensed surveyor to sign off on and work with us  
6 capturing this data and with processing."  
7 What did you mean by that?  
8 A. I mean, so as far as a drone company, you cannot  
9 go out and collect this data for any kind of construction  
10 site or any other client and then turn it in to a state or  
11 city or any kind of official department that, you know,  
12 turns in any land surveying or lines or anything for the  
13 county. So you have to have a licensed surveyor to sign off  
14 on it, and I was interested in working with surveyors who  
15 were implementing drones into their company.  
16 Q. Did you have any success?  
17 A. No, sir.  
18 Q. All right.  
19 Then you -- at the bottom, it talks about "we  
20 offer to the construction industry" -- or "What we offer to  
21 the construction industry is generally used for the  
22 following purposes."  
23 Do you see there where it says: "Monitoring" --  
24 A. Yes.  
25 Q. -- "the site/property, flying it every week or

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1 So quality control on the site -- equipment being  
2 left out unattended, stockpiles being in the wrong spot, I  
3 mean, it could -- uncountable things could be wrong. So  
4 managers or site managers use that for quality control.  
5 Q. And do you do that by video?  
6 A. The clients I was going to was wanting the  
7 orthomosaic map but you could accomplish it with video, I  
8 suppose. It wouldn't be the most efficient.  
9 Q. Safety control monitoring? What is that?  
10 A. So safety control would follow kind of under the  
11 same thing as quality control. They're just able to see  
12 every aspect of their site. The maps, they can zoom all the  
13 way in to it from all the -- you know, the full map all the  
14 way in to one part to monitor, you know, like I said, parts,  
15 equipment ...  
16 Q. And is that by video?  
17 A. No. All of these are under orthomosaic maps is  
18 what these clients wanted. You could accomplish it all by  
19 video, but nobody wanted that.  
20 Q. All right.  
21 And so the items that you have listed here under  
22 what you offer, all of these items could be -- you could  
23 accomplish the projects by providing video but the clients  
24 preferred orthomosaic maps.  
25 Is that what I hear you saying?

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1 A. I mean, that was never anything that came up But  
2 just answering you here, I mean, I suppose -- it's a visual  
3 concept so they could see it by video.

4 Did clients ever want video? No. They always  
5 wanted an orthomosaic map.

6 Q. Is there a difference in price between a video and  
7 an orthomosaic map?

8 A. Yes.

9 Q. And what's the difference in price?

10 A. It would be impossible to tell you. I mean, it's  
11 just according to what the client wants, you know, on the  
12 screen. A video could run anywhere to \$10,000 or could be a  
13 thousand, or -- an orthomosaic map, you know, would be a  
14 different fee. Video production is a whole lot more  
15 expensive than an orthomosaic map. Significantly.

16 Q. Okay.

17 Video is more expensive than creating an  
18 orthomosaic map?

19 A. Yes.

20 Q. And why is that?

21 A. It's more work.

22 Q. Can you explain that to the Court?

23 What's -- what is the work involved in creating a  
24 video of a project to determine quality control or monitor  
25 safety or provide investors updates on construction?

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1 hired you to come to my site and I provided you a map that  
2 has a map of an aerial photo of the site with some lines  
3 drawn on it and I asked you to provide me with an  
4 orthomosaic map of my site, how would you go about doing  
5 that?

6 A. Let's use DroneDeploy since that's on the table  
7 that we're familiar with. That's one of the many mapping  
8 softwares.

9 So you would load that software onto your device  
10 You would then enter the map site as far as the location  
11 visually into the software, that's by using your mouse to  
12 click lines. The software would then generate a map as far  
13 as direction of how the drone will fly.

14 You have control of adjusting all of that, which  
15 is altitude, how many passes it makes, how much overlap it  
16 has, front and back, side to side. The drone then flies  
17 this pattern automated while we're monitoring it. We have  
18 complete control of the drone. We can stop it at any time  
19 or cancel the mission.

20 And then once that map is completed as far as the  
21 computer program, the drone would then automatically return  
22 home. It will land. That software -- or the data off the  
23 SD card would then be loaded into DroneDeploy via the  
24 internet. According to how many pictures, they produce the  
25 map in a certain amount of time, and then they send it back

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1 A. Okay. What was the question again on top of that?

2 Q. Yeah.

3 If you could explain to the Court the process for  
4 providing a video work product.

5 A. Okay. So the video work product, you would go out  
6 to the site, you would have to schedule that. You would  
7 collect all the data, which is the content you're capturing  
8 for the day. And then you would have to go back home, you  
9 would have to upload all of this data onto your computer.  
10 Then you'd have to upload all this data into your post  
11 editing software.

12 And then, according to the client's demands and  
13 requests, you'd have to create the video to their  
14 specifications, which could have text on the screen, arrows  
15 on the screen -- they may suggest, you know, me bringing in  
16 graphics. I mean, it's -- anything in post production, I  
17 mean, it could go on and on, versus making an orthomosaic  
18 map is taking pictures, you know, with a computer program,  
19 which is much quicker.

20 Q. All right.

21 And you use -- or did -- before June of '19, you  
22 used the DroneDeploy software; correct?

23 A. DroneDeploy software, yes.

24 Q. Okay.

25 And so can you explain that process? So if I

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1 to you via a link on their website.

2 Q. Anything else?

3 A. That's about it.

4 Q. Okay.

5 And so just so we're on the same page, when you  
6 looked at paragraph 77 of the complaint, the first item on  
7 that that you want to do that you claim you're not able to  
8 do because of the letter is you want to be able to capture  
9 aerial images on behalf of paying clients and use  
10 orthomosaic map software to stitch those aerial images  
11 together to perform orthomosaic maps?

12 A. What page was that on? I'm so sorry.

13 Q. So that's Exhibit 1, on the left.

14 A. Oh, gotcha. I'm sorry.

15 Q. And then that's paragraph 77.a.

16 A. Okay. And I'm sorry. Could you repeat the  
17 question?

18 Q. Yes.

19 So in your lawsuit, you identify four services  
20 that you want to provide that you claim you can't provide  
21 because of the board's letter in June; correct?

22 A. Yes.

23 Q. And what you just explained to the Court on how  
24 you create an orthomosaic map, that's 77 -- paragraph 77.a,  
25 right, where it says "capturing aerial images on behalf of

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1 paying clients and using orthomosaic software to stitch  
2 those aerial images together to form orthomosaic maps."  
3 A. Yes.  
4 Q. Okay.  
5 So let me drill down on that a little more just so  
6 we all understand what you're talking about.  
7 You go on-site and you have your drone; correct?  
8 A. Yes.  
9 Q. And the software that you're talking about, the  
10 DroneDeploy software, is loaded into your telephone?  
11 A. Yes, sir. Your iPad. Whatever device you're  
12 using with the drone.  
13 Q. Okay.  
14 So some sort of smartphone or iPad device?  
15 A. Yes, sir.  
16 Q. Okay.  
17 And what did you use?  
18 A. Either iPad or iPhone.  
19 Q. And then you used the software on your phone to  
20 locate the piece of property that we're talking about;  
21 right?  
22 A. No. I wouldn't say that.  
23 Q. Okay.  
24 A. So the software, you can either create the map  
25 from home, the prework on the internet on the desktop, or

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1 sir.  
2 Q. Okay.  
3 And do you do that manually using a mouse?  
4 A. As far as creating the plan, yes, you do it  
5 manually with the mouse.  
6 Q. All right.  
7 And once that plan is -- the area is drawn, does  
8 it give you -- the program itself, does it tell you how much  
9 acreage is involved?  
10 A. Yes.  
11 Q. And the mission, so to speak, programs the drone  
12 to fly in a pattern like you're mowing your lawn; right?  
13 A. Perfect. Yes.  
14 Q. Okay.  
15 And as the drone flies in that pattern like you're  
16 mowing your lawn, it's taking pictures every so often?  
17 A. You set the parameter on how often you want to  
18 take the pictures; so yes.  
19 Q. Okay.  
20 And so that's sort of another key question, which  
21 is: You have the software, and the work product that you're  
22 doing, right, is you yourself are controlling the area that  
23 is being -- that the mission is flying; right?  
24 A. Yes, sir.  
25 Q. What else do you control before the drone goes up

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1 you can do it when you get to the job site. If it was a  
2 site that I was flying frequently, I did it at home on the  
3 desktop, as far as planning the site.  
4 So then when I got to the site, opened to the  
5 drone, it would already be planned. Everything was already  
6 planned out on the phone. So all I had to do was connect  
7 the drone, pull that certain map program in, and it would  
8 fly.  
9 Q. Okay.  
10 And so what we're talking about is using the  
11 software to draw lines that would essentially sketch out the  
12 flight pattern or flight project for the drone?  
13 A. Yes, sir.  
14 Q. It's the mission that you're programming the drone  
15 to fly?  
16 A. Yes, sir.  
17 Q. All right.  
18 And lines -- you're essentially drawing lines  
19 around the property that you want to survey?  
20 A. The perimeter, yes, sir.  
21 Q. Okay.  
22 And it might be the entire perimeter of the  
23 property owned by your client or it could be a smaller  
24 portion; right?  
25 A. Yeah. I mean, it could be any -- any job, yes,

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1 in the air?  
2 In other words, what kind of decisions are you  
3 making as to what type of mission is being flown and what  
4 kind of data is being generated?  
5 A. You always have to check the air space as far as  
6 preparing -- any flight you do, you always have to check the  
7 air space. That's only controlled by the FAA. We have  
8 maps -- VFR maps that we go to and different software  
9 programs that we check that.  
10 So once you've established that the site, the  
11 project site that you're working is clear from the FAA, then  
12 you -- basically, you have to go and just check, you know,  
13 for towers, power lines, all the hazards before you take  
14 off, and then you take off from there.  
15 Q. But there are other items on the software that  
16 you're selecting -- other boxes you're checking and --  
17 A. Like I mentioned earlier, you do have a  
18 customization option to select a parameter of that. So the  
19 flight altitude you can adjust, the overlap front and back  
20 of the pictures you can adjust, and the speed I think you  
21 can adjust. And different software programs offer different  
22 options that you have access to.  
23 Q. All right.  
24 And when is the first time you used DroneDeploy  
25 software to create an orthomosaic map?

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1 A. I couldn't tell you.  
2 Q. Was it in 2017?  
3 A. It was between 2016 and 2017.  
4 Q. And you stopped doing it in June of 2019?  
5 A. Yes. If that's -- after the letter came, the  
6 second letter claim, I quit after that.  
7 Q. Yeah.  
8 And the -- how many orthomosaic maps did you  
9 generate for paying clients?  
10 A. I couldn't answer. I couldn't tell you.  
11 Q. Is it more than five?  
12 A. Yes, more than five.  
13 Q. Less than 100?  
14 A. Absolutely, yes.  
15 Q. Less than 25?  
16 A. Less than 25, yes.  
17 Q. Less than 15?  
18 A. Probably.  
19 Q. All right.  
20 Can you narrow it down any more than 5 to 15 or is  
21 that --  
22 A. Yeah, that's about the pocket I'm comfortable  
23 talking to you in --  
24 Q. That's fair enough.  
25 A. -- because I'm really not sure.

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1 Q. And do you understand the importance of selecting  
2 the right altitude?  
3 A. Yes.  
4 Q. Okay.  
5 And what is that?  
6 A. Basically it's according to the job.  
7 Q. Okay.  
8 A. Are you asking the limits of the FAA?  
9 Q. No, not the limits of the -- but is the altitude  
10 important for --  
11 A. Yes.  
12 Q. -- creating a final work product?  
13 A. Yes, it is. So the altitude, you know -- if it's  
14 a very large lot, you know, the altitude may be 400 feet.  
15 So it would be according to what the client ordered, how  
16 close they wanted it to the ground, how many passes they  
17 want to, you know, have the drone go. It's kind of hard to  
18 give it a block answer on that.  
19 Q. All right.  
20 Can you give me some ideas or some issues that you  
21 were concerned about when you selected altitude or factors  
22 that you considered when you selected altitude?  
23 A. So when you can get to the job site, you have to  
24 pretty much find the lowest obstacle. So if it's a tower,  
25 that's always the check. You look around, you find that.

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1 Q. Thank you.  
2 What type of training did you receive in  
3 generating these orthomosaic maps using this DroneDeploy  
4 software?  
5 A. Just all self-education online. The Drone  
6 University is heavy into mapping and creating orthomosaic  
7 maps. So I followed those guys a lot. And then the rest of  
8 the education was just on YouTube, Google.  
9 Q. Did you take classes through DroneDeploy? Did you  
10 receive any type of formal training in how to use  
11 DroneDeploy?  
12 A. No, sir.  
13 Q. And you said you were using -- primarily for that  
14 year and a half, you were primarily using the free version  
15 of DroneDeploy?  
16 A. Yes, sir.  
17 Q. All except for about a month?  
18 A. Yes, about a month or two when I had to pay.  
19 Q. And the -- how did you learn how to use the free  
20 version first to select altitude, to select overlap, or  
21 determine how many passes or determine the speed of the  
22 drone or how to create the property lines or mission lines  
23 that were going to be followed?  
24 How did you learn how to do all that?  
25 A. Self-education online, YouTube, Google.

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1 The jobs that I was doing for the orthomosaic  
2 maps, the majority of them, they had on the order what the  
3 altitude was; so they wanted it flown -- and a lot of the  
4 times, the jobs or the client hiring for the job, they would  
5 already have all of the directions and what to make the  
6 altitude, the front lap, back lap -- everything like that in  
7 the order sheet, and then I would just adjust accordingly.  
8 Q. Did the client also have the parameter drawn for  
9 what they wanted flown for the mission?  
10 A. Yes.  
11 Q. All right.  
12 And so as I understand it, you had the software on  
13 your phone, the client would provide you the perimeter map  
14 that would be flown; correct?  
15 A. Yes.  
16 Q. And the client would provide you the altitude that  
17 would be flown; correct?  
18 A. Yes.  
19 Q. And they would provide you with instructions as to  
20 how many passes to do?  
21 A. Yes. Which is determined by the overlap.  
22 Q. And so they would provide you the overlap?  
23 A. Yes.  
24 Q. Did they provide you the speed?  
25 A. No. Speed is determined by a couple more

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1 equations -- overlap height, and that could vary.  
2 Q. So once you follow the instructions provided by  
3 the client on overlap and altitude, then the speed is  
4 automatically generated by the program?  
5 A. I believe in DroneDeploy it is. Like I mentioned  
6 earlier, the softwares have differences. Some have the  
7 options to adjust the speed directly. Some of the speeds  
8 are adjusted by parameters -- height, altitude, front  
9 overlap, rear overlap.  
10 Q. And so your company, then, is -- you have this  
11 free software loaded onto your system; correct?  
12 A. Yes, on one of my devices.  
13 Q. And you are following the instructions of the  
14 client on the location to be flown or the mission perimeter  
15 to be flown?  
16 A. Yes.  
17 Q. And you are entering that into the software that  
18 you have along with the altitude provided by the client;  
19 right?  
20 A. Yes, sir. Into DroneDeploy.  
21 Q. And you're entering the overlap provided by the  
22 client; correct?  
23 A. Yes, sir.  
24 Q. And you're entering -- and the speed is generated  
25 automatically by the software; right?

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1 Q. And they're telling you, "Here is the perimeter I  
2 want you to use"; right?  
3 A. Yes.  
4 Q. And "Here are the other instructions that you have  
5 to enter into the program."  
6 A. Yes.  
7 Q. And you're just following their instructions.  
8 And then what do you do? Push a button to create  
9 the mission?  
10 A. So after the all perimeters and everything are  
11 entered, you hit "create flight." The software  
12 automatically goes through and does a number of safety  
13 checks, makes sure everything's right. If everything's not  
14 right, the software will not allow you to continue to the  
15 take-off point. It will hold up and tell you what's wrong  
16 or what you need to adjust.  
17 But if everything is okay and the software checks  
18 out, then it's a go, the button turns green and you hit  
19 "fly," and the drone takes off and then it flies the  
20 automated pattern.  
21 Q. And so what I hear you explaining to the Court is  
22 that in order to generate a flight plan, you have to input  
23 certain data into the software and you push a button called  
24 "create flight"?  
25 A. Yeah. I mean, as far as the title, it may be

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1 A. Could be determined according to which software  
2 you're using.  
3 Q. And so is there any discretion you have in what I  
4 would call the preflight planning for the mission?  
5 A. Discretion? I'm not really sure what you mean.  
6 Q. Maybe that's not a good word. It sounds to me  
7 like ...  
8 Is there any of your own work product that goes  
9 into the preflight planning that's not provided to you by  
10 the client or generated automatically by the software?  
11 A. Other than the internet access to access the  
12 software, but that would be it if I'm understanding the  
13 question correctly.  
14 Q. I think so. So -- I hope.  
15 Is there any of your company's work product that  
16 goes into the preflight planning that's not provided by your  
17 client or generated automatically by the DroneDeploy  
18 software?  
19 A. No.  
20 Q. And then once you get to the site, you have this  
21 preflight mission loaded and ready to go; right?  
22 A. Most of the time, yes, sir.  
23 Q. And if you don't have it loaded and ready to go,  
24 you're working on it with your client at the site --  
25 A. You can draw it out on-site.

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1 "create flight," but something along those lines, yes.  
2 Q. And the data that you're inputting is nothing  
3 that -- it's data that's either given to you by the client  
4 or it's just automatically generated by the software?  
5 A. Correct.  
6 Q. All right.  
7 And then you create flight, and then the drone is  
8 being controlled by the software?  
9 A. Yes. It follows the mission that's programmed  
10 into the software.  
11 Q. And as I understand it, then, the drone is flying  
12 this lawnmower-type pattern, taking pictures, and then it  
13 completes its flight?  
14 A. Yes.  
15 Q. And you're on-site with it?  
16 A. Have to be on-site with it.  
17 Q. And then once the drone completes its mission,  
18 what happens next?  
19 A. Then it returns back -- back home, it lands  
20 automatically. The software will see you captured all the  
21 data. It will let you know that it was captured  
22 successfully or if there were any problems.  
23 At that point, close down, pack up, take that  
24 information home, as I mentioned, and load it into  
25 DroneDeploy application on your desktop. And, you know, it

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1 could be an hour or two, three, according to how big of a  
2 map you have created, and then they send you a notification  
3 via e-mail that your map's ready.

4 Q. All right.

5 And that's my next question, which is Explain to  
6 the Court how the information or data from the drone is then  
7 loaded to DroneDeploy.

8 A. So it's on an SD card like I mentioned earlier.  
9 So the SD card just comes out of the drone into my computer,  
10 you open it as a drive, copy those photos to your drive, and  
11 then load that via the internet, DroneDeploy.com on your  
12 account, you load that into that map because it already has  
13 the map, you know, prefilled out from when you panned it.

14 So once you enter the data, it kind of connects  
15 everything, processes the map, and as I mentioned, you have  
16 to wait a couple of hours or however big the map is. At  
17 that point, you'll get an e-mail your map is ready and then  
18 you have to use their site to go back to it to see it.

19 Q. So other than manually inserting the SD card into  
20 your computer and clicking a few buttons, are you -- is  
21 there any work product that's being generated by your  
22 company?

23 A. No.

24 Q. And once the drone data from the card is loaded  
25 into the computer, it's then loaded onto the DroneDeploy

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1 site.

2 And then what do you do? Push a button that says  
3 "orthomosaic map"?

4 A. So when you go back into the profile, as I  
5 mentioned, it will already have your plan that you made --  
6 let's just say on Main Street. So it will have the Main  
7 Street job programmed. It's waiting for you to load the  
8 data you acquired.

9 So once you load that data, that software  
10 automatically completes it and gives you a message similar  
11 to, you know, "Your data is being uploaded. Your map will  
12 be processed shortly." And then you just wait and you get  
13 the e-mail that it's back.

14 And then once you open that up, you go to that map  
15 project, click on it, it will open up. That site has  
16 different options that you can use on that map, but you see  
17 the map, basically, and have access to it.

18 Q. All right.

19 And so you are -- it takes some time, right, to  
20 process this data?

21 A. Yes.

22 Q. And the processing is being done by DroneDeploy?

23 A. By DroneDeploy, yes, sir.

24 Q. And they send you an e-mail to your company, 360  
25 Virtual Drone Services, that your project is ready?

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1 A. Yes, sir. Or through their DroneDeploy app, they  
2 just send a notification because I have it on my phone.

3 Q. What does the notification say?

4 A. Roughly, it just says "Your map's ready" or "Your  
5 map's finished processing."

6 Q. Okay.

7 And then do you have a link or do you actually  
8 have an image?

9 A. If I were to go through the e-mail, there would be  
10 a link. But if I were to open the actual software it would  
11 just be all integrated into that -- you know, that  
12 particular app on your phone.

13 Q. And what do you provide your client?

14 A. It's according to what they want. Most of the  
15 time, I would deliver a simple PDF of the orthomosaic map.

16 Q. All right.

17 And so you have a link or you have a -- strike  
18 that. Let me start over.

19 You get an e-mail with a link, correct?

20 A. Yes.

21 Q. But if you log in to your account on DroneDeploy,  
22 you actually just have what? What do you see at that point?

23 A. So you open it up to your profile. You know, it  
24 may have "360 Virtual Drones," and then it would have a list  
25 to the left of all of the projects you've created and then

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1 you're able to click on each one. So once you click on the  
2 left menu, it opens up on the right, you know, your  
3 projects.

4 So let's say we did the one on Main Street. We  
5 click on Main Street. It opens up, you know, for you to  
6 view the map. And as I mentioned, it has countless tools  
7 that you can use for whatever purpose. What I was using it  
8 for was just to create the map.

9 Then I would take that map -- I'm not sure, they  
10 may have an option to just export it into a PDF and that's  
11 how I got it, so PDF to my computer and then ever what  
12 deliverable the client wanted, whether it was on a thumb  
13 drive or a Dropbox link or e-mail. Different clients use  
14 different methods.

15 Q. And so from the point in time when you're hired to  
16 provide the client an orthomosaic map, the client is  
17 providing you with certain information that you enter into  
18 the software, and then the software is automatically  
19 generating the remainder of the information necessary to  
20 complete the preflight mission; correct?

21 A. Yes.

22 Q. And then once you get the drone back in your  
23 hands, then you're just taking the data that was generated  
24 from that flight and you're loading that data into your  
25 computer?

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1 A. Yes sir.  
2 Q. And then you are load -- you're transferring that  
3 data to DroneDeploy software -- DroneDeploy account, I  
4 guess.  
5 A. Yes.  
6 Q. And you're not doing -- you're not analyzing  
7 anything, you're not changing anything, you're not deleting  
8 pictures or changing pictures. You're just transferring the  
9 data; correct?  
10 A. Yes, sir.  
11 Q. And then once you transfer the data, then the  
12 DroneDeploy software is processing the data to create this  
13 orthomosaic map; correct?  
14 A. Yes, sir.  
15 Q. And then when you get the link back or  
16 notification that it's ready, you go onto the site, you  
17 click a button, and the map's ready?  
18 A. Pretty much, yes, sir.  
19 Q. And that map is -- you don't analyze it, you don't  
20 edit it, you don't do anything to it. You just take that  
21 map and you click another button and turn it into a PDF?  
22 A. Yes.  
23 Q. And that's your deliverable to your client?  
24 A. Most of the time, yes.  
25 Q. And that's what you're saying to the Court that

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1 And on top of that, my clients were also aware of  
2 that, that this is not what it's being offered for.  
3 Q. And that's the first item in paragraph 77, right,  
4 orthomosaic maps?  
5 A. Orthomosaic maps, the first item, "a" that's under  
6 77.  
7 Q. And I just want to make sure we're clear for the  
8 judge.  
9 Is there anything else about the process of how  
10 you go about performing that work or those services that we  
11 haven't touched on that you think is important?  
12 A. I can't think of anything else, sir.  
13 Q. And when you talk about the other three items  
14 under paragraph 77, item 2, "creating marketing images of  
15 land on behalf of paying clients and drawing on those images  
16 lines indicating the approximate position of property  
17 boundaries," is that -- do you do that using DroneDeploy or  
18 some other software?  
19 A. So that item specifically, DroneDeploy is not  
20 involved because there's no stitching of pictures or any  
21 processing of maps.  
22 This is just kind of standard photography items  
23 that come out of the drone.  
24 Q. And what do you use to draw the lines?  
25 A. In still photos, it would be Adobe Photoshop. In

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1 you should be able to do that work in order to -- let me  
2 read here.  
3 You're saying that you want to offer and provide  
4 those services where you capture these aerial images on  
5 behalf of paying clients and using orthomosaic software to  
6 stitch those aerial images together to form orthomosaic  
7 maps.  
8 A. Yes, sir.  
9 Q. Okay.  
10 And when you're saying "stitching these aerial  
11 images together to form orthomosaic maps," it's really  
12 simply sending the data to DroneDeploy and hitting a button  
13 and they process it for you?  
14 A. Yes, sir.  
15 Q. Okay.  
16 And you're saying that your inability to be able  
17 to go through that process and provide that orthomosaic map  
18 is a violation of your First Amendment freedom of speech?  
19 A. I think so, yes.  
20 Q. Okay.  
21 How so?  
22 A. Selling data, information to clients, which is  
23 free speech. I'm not turning any of this work to have  
24 anything certified by any land organization, city, county,  
25 anything.

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1 videography, it would be Final Cut Pro.  
2 Q. And then the third item is "capturing aerial  
3 images of land and structures (along with location data,  
4 coordinates, elevation data, and volume data) and making  
5 images and that data available to paying clients."  
6 What -- is this DroneDeploy?  
7 A. You could use DroneDeploy in that process, but it  
8 is not solely just DroneDeploy in that. I mean, you could  
9 use -- yeah, because all photos and any digital thing  
10 past -- I mean, since smartphones have began, every camera  
11 device that takes pictures, it's going to have metadata in  
12 it, which I was told I could not deliver metadata -- I could  
13 not deliver a photo with metadata in it.  
14 So that, "c," would knock out anything with me  
15 delivering to -- I would like to be able to do "c," because  
16 that's delivering the picture as it comes out of  
17 DroneDeploy -- or, excuse me, not DroneDeploy, out of my  
18 drone. So when I take a picture with my drone and it comes  
19 out, it has metadata in it.  
20 I was told I could not monetarily sell this item  
21 to a client if it's got metadata in it. I would have to  
22 strip the metadata out of the picture, which everybody in  
23 the United States is using an item that creates metadata.  
24 So "c," that item specifically, I would like to  
25 not have to strip all the metadata out of every picture I

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1 give to a client because no photographer does that.  
2 Q. All right. Let's go about it this way.  
3 Number 1, the orthomosaic software creating  
4 orthomosaic maps -- we talked about that.  
5 A. Yes, sir.  
6 Q. And that's something you did from paying clients  
7 prior to June of 2019; right?  
8 A. Yes, sir.  
9 Q. And then number 2, creating marketing images of  
10 land on behalf of paying clients and drawing on those images  
11 lines indicating the approximate position of property  
12 boundaries, that's also something that we talked about, and  
13 you did that prior to June of 2019; right?  
14 A. Yes.  
15 Q. And you're saying you -- if it was a still photo,  
16 you're using Adobe to draw the line that the client wants to  
17 draw. And if you're -- and all you're doing is looking at a  
18 picture that's provided to you by the client; right?  
19 A. Yes, sir.  
20 Q. And you don't even know where that picture came  
21 from?  
22 A. Lots -- I mean, I can tell if it came from GIS or  
23 I can tell if it was printed off Google. But as far as,  
24 like, a standard practice, no one client has a standard  
25 practice for it.

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1 Q. And you're providing those photos to the client  
2 in an -- I guess is it a JPEG? Is it a -- do you know  
3 what --  
4 A. Oftentimes JPEG is the deliverable file extension.  
5 Q. And you use Adobe --  
6 A. -- Lightroom --  
7 Q. -- to just download the data from the camera and  
8 then put it on the thumb drive in JPEG?  
9 A. Yeah. I just move the photo from my SD drive that  
10 came out of the camera or drone into my computer and then I  
11 edit in Photoshop or Lightroom. Once I'm finished with it,  
12 it's still a JPEG, and I deliver that JPEG to the client.  
13 Q. All right.  
14 But you're still doing that, taking pictures and  
15 providing it to clients today?  
16 A. Yes.  
17 Q. Okay.  
18 And so why is it that you need permission to do  
19 that?  
20 A. Because I was told I could not deliver a photo  
21 a client with any metadata in it.  
22 Q. Who told you that?  
23 A. William Casey.  
24 Q. Did you receive anything in writing on that?  
25 A. I'm not sure. I would have to go back and look to

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1 Q. And you're -- if you're doing it on video, you're  
2 using some sort of -- what did you say --  
3 A. Final Cut Pro.  
4 Q. Final Cut Pro.  
5 All right. And then that number 3 is "capturing  
6 aerial images of land and structures (along with location  
7 data, coordinates, elevation data, and volume data) and  
8 making those images and that data available to paying  
9 clients."  
10 Were you doing that prior to June of 2019?  
11 A. Yes, sir.  
12 Q. And is that -- how were you doing that? Give me  
13 an example of one project that you did that.  
14 A. A real estate agent calls me and says, "I want  
15 marketing pictures for this house on 100 East Main Street."  
16 I go take those pictures from my drone or my phone or my  
17 camera. I deliver those to the client. That's it.  
18 Q. Okay.  
19 And so what software are you using?  
20 A. Adobe Photoshop or Adobe Lightroom for the photos.  
21 Q. And so you're -- we're back to -- I think we're  
22 back to the beginning, right, where you buy the drone and  
23 you buy a camera lens and you use the drone -- you manually  
24 control the drone and just take photos?  
25 A. Yes.

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1 be sure.  
2 Q. So even though you were told that you can't  
3 deliver photos that may have metadata, you're still  
4 delivering photos with metadata?  
5 A. Yeah, you actually -- I mean it would be hard to  
6 not do that, yeah.  
7 Q. Right.  
8 But number 3 is something you did before and you  
9 still continue to do?  
10 A. Yes. C.  
11 Q. C, 3 -- it's the third item under 77; right?  
12 A. Yes, sir.  
13 Q. Why do you add in here in parens "along with  
14 location data, coordinates, elevation data, and volume  
15 data"?  
16 A. So according to what I'm understanding from  
17 William, he's telling me the accurate way to do this is I'm  
18 a photographer. A client hires me. I go in with my iPhone  
19 or a digital professional camera or a drone. I take a  
20 picture. That picture, post 1980 probably, has metadata in  
21 it.  
22 The correct workflow they told me is I had to take  
23 those pictures, then take those pictures to my computer,  
24 upload them, strip all of the information and data out of  
25 the picture before I could deliver it to the client.

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1 Q. And where -- again, this is not in writing  
2 anywhere?  
3 A. I'm not sure. I would have to go back and look if  
4 they told me that. But that was discussed at the second  
5 meeting, the meeting where they made their decision  
6 basically.  
7 Q. All right.  
8 Do you remember talking about the initial  
9 disclosures where you're producing all documents that has  
10 evidence that you may use at trial?  
11 A. Yes, I do remember that.  
12 Q. Okay.  
13 If you look at the documents you produced, the 13  
14 pages, is it in the 13 pages?  
15 A. So here's my difficulty with that, is that these  
16 items with the codes, the GS 89C, things like that, I do not  
17 know the details of all of those. So I'm not sure if one of  
18 those stands for what he said about removing the metadata in  
19 it. It may.  
20 Q. And you're talking about the letter dated June--  
21 that cites the general statutes?  
22 A. June 13, 2019.  
23 Q. All right.  
24 And you cite some of these general statutes in  
25 your complaint, do you not?

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1 Q. And what does that mean, "location data"?  
2 A. The metadata in it; so it records the GPS location  
3 inside the picture of where it's taken at -- location where  
4 the photo's taken.  
5 Q. That's it?  
6 A. It could have -- okay. Location data. It could  
7 also have information about the photo; so whether it's a  
8 JPEG, the file, the size -- typical information of, you  
9 know, any file in a PC.  
10 Q. Okay.  
11 And are you looking to take aerial images of land  
12 and structures that include coordinates and provide them to  
13 paying clients?  
14 A. Yes.  
15 Q. What does that mean, "coordinates"?  
16 A. Coordinates is the same as the location, I would  
17 say -- the GPS coordinates. Also the altitude would tell  
18 that in the metadata as well if it's a drone flight.  
19 Q. Why is that? Why do clients want photos that have  
20 location data to include GPS location and coordinates data?  
21 A. So they may not want it specifically, but the  
22 software for doing any kind of stitching, the 360 pictures,  
23 any stitching is involved, the metadata is what the software  
24 uses to stitch those pictures.  
25 Q. So it's the 360 images and the orthomosaic maps

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1 A. Yes.  
2 Q. And some of these statutes that you're talking  
3 about are from Chapter 89C, Engineering and Land Surveying?  
4 A. Yes. GS 89C-24, 55B, 57D.  
5 Q. All right.  
6 Let me hand you what's been marked as Exhibit 5.  
7 Are these the statutes that you're referring to,  
8 the Chapter 89C?  
9 (Exhibit 5 marked.)  
10 A. Yes, sir. It does look like it.  
11 Q. And so other than the June letter, is there any  
12 other evidence that you can point to in writing where there  
13 is some instruction or warning given to you about producing  
14 photographs and stripping metadata from photographs?  
15 A. Give me just a second to read it.  
16 (Discussion off the record.)  
17 (Recess taken, 12:33 to 1:12 p.m.)  
18 (Record read.)  
19 A. No, I don't think there is anything in here.  
20 Q. Let me ask you about number 3 under paragraph  
21 77 -- or 77.c, as you would refer to it.  
22 Are you looking to capture aerial images of land  
23 and structures that include location data and provide those  
24 to clients?  
25 A. Yes.

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1 that you're speaking of --  
2 A. Yes.  
3 Q. -- when you're talking about location --  
4 A. Yes.  
5 Q. -- and coordinates?  
6 A. Yes, sir.  
7 Q. How about elevation data? Same thing?  
8 A. Yes. Elevation is used for that.  
9 Q. And so if I take a photo with my drone and it  
10 generates a JPEG that I load onto my computer and I e-mail  
11 it to my client, that's not going to give them any elevation  
12 data?  
13 A. If they know how to find it, it will be -- it will  
14 be in the photo.  
15 Q. How so?  
16 A. Just by the nature of IT, it will be in there. I  
17 mean, if -- not a lot of clients know how to get into the  
18 information, you know, details of the photo or video; so  
19 yes, it is -- you can find it. It is there. A client -- I  
20 don't know if they would -- every client would traditionally  
21 not open the file and find all of the data in it, but it is  
22 in there.  
23 Q. But the elevation data you're speaking of has to  
24 do with these 360 images or orthomosaic maps?  
25 A. As far as the -- being used to stitch -- as far as

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1 the metadata being used to stitch the photos together, yes,  
2 that is what the altitude in the orthomosaic maps or 360  
3 photos ...

4 Q. In other words, to be able to use this data,  
5 stitch it together so that the client can use it, right, so  
6 that it's in useable form?

7 A. So they can receive, yeah, the exact product that  
8 they wanted. So if they wanted the orthomosaic map, then  
9 that would allow me or the software to stitch it to give  
10 them the end product.

11 Q. But if I say to you, "Listen, I want you to create  
12 a product that has elevation data," how would you go about  
13 doing that?

14 A. I'm not -- the question is not quite clear to me.

15 Q. Yeah.

16 So you specifically identified four things that  
17 you want to be able to do.

18 A. Uh-huh.

19 Q. You want to be able to capture aerial images of  
20 land and structures that include elevation data.

21 Why would a client want elevation data?

22 A. No, the client may not want elevation data.

23 Q. Okay.

24 A. I want to keep from having to using my work time  
25 to strip all the data out to give to the client according to

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Michael Jones - 7/21/21

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1 Q. Okay.

2 What I'm asking you specifically, prior to June of  
3 2019, were you ever asked to produce an aerial image with  
4 location data?

5 A. All right. So asked -- the client never asks me  
6 "Can you give me the picture with the location data in it?"  
7 The product they wanted, if it was the orthomosaic map,  
8 required the metadata to be in the picture to produce the  
9 product that they were then ordering; so yes.

10 But to answer the question did they ask, did they  
11 say, "I want a picture and here's the information that I  
12 want in it," no.

13 Q. Okay.

14 So outside of creation of an orthomosaic map for a  
15 client, did any client ever ask you to take an aerial image  
16 of land and structures for the purpose of having location  
17 data in there?

18 A. No.

19 Q. No?

20 Could you provide that to a client in able form  
21 without creating an orthomosaic map?

22 A. Yes, you actually would, by taking any picture  
23 with any current device.

24 Q. So if you took a picture, if I said, "Hey, I want  
25 location data" -- well, first of all, what am I asking for?

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1 what Mr. Casey told me.

2 Q. All right.

3 The --

4 A. As far as not being able to deliver with the  
5 metadata in it.

6 Q. So you're not looking to provide aerial images of  
7 land and on structures with location data?

8 A. No. I am looking to do that.

9 Q. Okay.

10 You are looking -- people do want location data or  
11 the ability to generate, right, locations, distances from  
12 Point A to Point B; right?

13 A. They could be using it for that purpose.

14 To answer the question do the clients want that?  
15 Some may; some may not.

16 The part that I'm speaking of is I was told that I  
17 couldn't deliver the photo to the client with metadata in  
18 it. Therefore, my workflow would have an additional step  
19 when I got home; I would have to go and strip all the  
20 metadata out in order to deliver to the client under the  
21 directions I've been told.

22 Q. But you're not doing that now. You're just  
23 sending out -- you're taking photos and sending it to the  
24 clients?

25 A. Yes.

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1 What does that mean to you?

2 A. You want the metadata in it. If you're asking for  
3 location data, I mean, that's part of the metadata.  
4 Metadata is all the data in the photo. Part of that data is  
5 information on the location, the GPS coordinates -- you  
6 actually have a north and south and everything.

7 Q. So when you use the terms "location data" and  
8 "coordinates," you're really referring to metadata?

9 A. The GPS part of the metadata.

10 Q. And prior to June 2019, no client ever asked you  
11 for images with location data; correct?

12 A. No, sir.

13 Q. And prior to June of 2019, no client ever asked  
14 you for aerial images with coordinates?

15 A. No.

16 Q. And prior to June of '19, did any client ever hire  
17 you to provide elevation data or do any analysis regarding  
18 elevation data?

19 A. No.

20 Q. Prior to June of 2019, did any client ever hire  
21 you to provide volume data or do an analysis of volume data?

22 A. No.

23 Q. All right.

24 So these are all things that are things that you'd  
25 like to do in the future but you've never been -- you've

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1 never done in the past and you're not -- I think that's my  
2 question.  
3 Let me redo it.  
4 A. Okay.  
5 Q. These four items that you have in paragraph 77.c  
6 are things that you've never been hired to do, never been  
7 asked to perform any of these services, but these are  
8 services you want to have the option of performing in the  
9 future?  
10 A. Yes. To make sure I'm clear, let me restate that.  
11 So I've never been asked specifically in the way  
12 you're asking the question did the client specifically say,  
13 "I want a picture with the metadata."  
14 Yes, they did order products that require the  
15 metadata to be in the picture.  
16 But to answer your question specifically, I was  
17 never asked verbally, "Hey, Michael, can you deliver this  
18 picture? And I want elevation data in it, GPS  
19 coordinates -- things like that."  
20 Q. Yeah. That's my question. My question has  
21 nothing to do with metadata because that's -- metadata is  
22 not in this paragraph.  
23 A. Okay.  
24 Q. What's in the paragraph that -- your complaint  
25 that you filed is you want to be able -- you wish to offer

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Michael Jones - 7/21/21

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1 just mentioned it.  
2 So yes, they were asking for that without asking  
3 for it specifically, list by list.  
4 Q. All right.  
5 And no one has ever asked you -- or has anyone  
6 ever hired you to give them elevation data?  
7 A. Not specifically, not verbally asked for that, no.  
8 Q. And no one ever hired you to give them volume  
9 data?  
10 A. No.  
11 Q. All right.  
12 But, again, going back to the orthomosaic maps  
13 that are generated, if you generate an orthomosaic map, you  
14 can analyze that and provide location data to a client?  
15 A. So the metadata is in it, yes; I can read it. I  
16 can't do anything to manipulate it. I can strip it out of  
17 the photo.  
18 Q. No, I'm talking about the orthomosaic map.  
19 A. Oh, the orthomosaic map?  
20 Q. Yes.  
21 A. So the orthomosaic maps, each individual photo has  
22 the GPS data in it. I can see that. I can't do anything  
23 with it besides take it out or -- I mean, that's it, I can  
24 remove it.  
25 Then the process is they use the metadata in the

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1 and provide drone services that include the following: And  
2 you want to be able to capture aerial images of land and  
3 structures that include location data, one; coordinates,  
4 two; elevation data, three; volume data, four; right?  
5 A. Yes, which could all be compiled under the  
6 umbrella of metadata. That would be the definition of all  
7 of the things you just mentioned in the photo.  
8 Q. Okay.  
9 But, again, you don't put metadata in here; you  
10 don't define metadata as these items in your lawsuit, do  
11 you?  
12 A. I'm not if they worded that in that way.  
13 Q. Okay.  
14 But, again, the question really is: Did anybody  
15 ever ask you to provide location data specifically?  
16 A. No.  
17 Q. Did anyone ever ask you to provide or hire you to  
18 provide coordinates?  
19 A. Again, I feel that's a little -- I feel it's  
20 answered in two different sections: No, they did not ask  
21 me -- verbally, pronounce the words "I need location data";  
22 but if they said, "I want an orthomosaic map or a 360  
23 photo," then they are asking for the data without verbally  
24 asking. They're saying, "I want this product, the 360  
25 navigable photo." That has the metadata of the things you

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1 final map. The final map does not have any metadata  
2 attached to it because it's multiple pictures in one  
3 location.  
4 Q. And, again, you're using these terms  
5 interchangeably with "metadata," and I'm not talking about  
6 metadata. If you want to talk about it, you can --  
7 A. Yeah.  
8 Q. -- but I'm asking about the word "location data"  
9 or "location."  
10 If you take -- you, your company -- you can open  
11 up the orthomosaic map, can you not, and you can analyze it  
12 and perform certain location calculations if you want?  
13 A. Not calculations. You can look at -- for what the  
14 data is. If it says you're 300 feet and north 38 and 72  
15 longitude, that's where it's at and I can't do anything to  
16 it. I can read it, if that's what you're referring to as  
17 far as analyzing it.  
18 Q. But you can draw -- you can put in a pin -- a  
19 point on the photo or on the orthomosaic map and another pin  
20 and you can draw distances showing the location of the  
21 building to the perimeter or the building to another object;  
22 right?  
23 A. So DroneDeploy -- I'll speak about that one;  
24 that's the one that's been kind of famous in the story.  
25 DroneDeploy has tools inside their software that

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1 the client can use to do the operations you just  
2 mentioned -- measuring, volume data, stuff like that.  
3 So to give you an example to make sure you  
4 understand everything, if me and Steve over here were -- he  
5 had the company, he was the landowner and then we had the  
6 project manager, and then I'm the drone pilot, I would go to  
7 DroneDeploy, create this map, and I would add these users to  
8 this map where they can view it. Then they would have the  
9 options of pulling measurements, volume data. I can't do  
10 anything like that to the picture.  
11 Q. No, but you --  
12 A. Is that good or --  
13 Q. -- could do those measurements?  
14 A. I mean, I could.  
15 Q. Because you're the one that actually has the  
16 experience in using DroneDeploy; right?  
17 A. For collecting the data, yes.  
18 Q. Right.  
19 It's your license; right?  
20 A. Under my profile, if you want to say that.  
21 Q. When I say "you," your company.  
22 A. Yes.  
23 Q. And your company has the ability to open this up  
24 and do distances; right?  
25 A. We do, as anyone else would have. We don't have

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1 Q. And you're giving them access to the program?  
2 A. No.  
3 Q. Do you give them your log-in information?  
4 A. I don't give them access. That's just an option  
5 of what you can do. I never had a client do that or would  
6 even be interested in or even would know how to.  
7 Q. All right.  
8 So the idea that a client would access the  
9 DroneDeploy software to secure certain location data,  
10 elevation data, volume data -- that never happened?  
11 A. That never happened. It's just a possibility of  
12 what the software can do.  
13 Q. Okay.  
14 If you sent me this PDF, am I able to manipulate  
15 the PDF and look at locations and get distances and that  
16 sort of something?  
17 A. No, sir. It's just -- it's -- when it's a PDF  
18 form, in that deliverable form, it is nothing more than a  
19 picture. Only thing great about this picture is if it's a  
20 thousand acres, you can zoom in to, say, one building.  
21 That's the only advantage it has to it.  
22 Q. And then number 4 is capturing -- or 77.d is  
23 "capturing aerial images and data about land and  
24 structures."  
25 A. Okay.

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1 any special club membership to read that or anything like --  
2 anybody with access to this map could do what you're talking  
3 about. So yes, I do, as you do.  
4 Q. I don't have access.  
5 A. Yeah. I'm just saying if I signed you on a map,  
6 if I gave you access to be a user, you could then go in,  
7 pull measurements, volume data, anything like that,  
8 yourself.  
9 Q. Okay.  
10 Did you ever -- on behalf of a client, were you  
11 ever asked to do any measurements?  
12 A. No.  
13 Q. Were you ever asked to do any elevation data?  
14 A. No.  
15 Q. Were you ever asked to analyze any data at all?  
16 A. No.  
17 Q. Did you ever explain to the clients how they could  
18 perform those functions?  
19 A. No.  
20 Q. So all you're doing is -- what you're saying is  
21 you're doing no analysis?  
22 A. No analysis.  
23 Q. You are -- you are providing them a copy of the  
24 orthomosaic map; correct?  
25 A. In a PDF form, yes, sir.

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1 Q. "Processing those images and data to create 3D  
2 digital models of land and structures and making those 3D  
3 digital models available to paying clients."  
4 And as I understand it, the DroneDeploy software  
5 allows you to create a 3D digital model; correct?  
6 A. That's another option on their package, so to  
7 speak.  
8 Q. Did anyone ever hire you to do that?  
9 A. No.  
10 Q. Okay.  
11 So, again, that's another example of something  
12 that you never did previously, but your reading of the  
13 letter and the action taken by the board from your viewpoint  
14 is that that's something that you can't do that you would  
15 like to do?  
16 A. Yes, sir.  
17 Q. Okay. All right.  
18 Let me ask you about Exhibit Number 6,  
19 specifically pages 9 to 11, which is the report of interview  
20 with you on February 7.  
21 And this "Report of Interview with Michael Jones  
22 on February 7," and this is on page 9, the first paragraph  
23 says: "Board Investigator William Casey conducted an  
24 interview with Mr. Jones at the Wayne County Public Library  
25 in Goldsboro, North Carolina."

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1 Is that true?

2 A. Yes, sir.

3 Q. "Mr. Jones indicated he has a remote pilot  
4 certificate issued by the Federal Aviation Administration."

5 Did you tell him that?

6 A. Yes, sir.

7 Q. "He added that pursuant to 14 CFR - Part 107,  
8 anyone flying an unmanned aircraft system or drone for  
9 commercial purposes must carry that certification."

10 Is that accurate, what you told him?

11 A. That's accurate, yes, sir.

12 Q. And it goes on to say: "Mr. Jones indicated his  
13 highest level of education is a high school GED certificate.  
14 He added that he obtained a Microsoft certification that  
15 allowed him to get into information systems technology.  
16 Mr. Jones indicated he worked as a network systems analyst  
17 for Branch Banking & Trust for a period of time before  
18 leaving the office setting to begin welding. He indicated a  
19 welding coworker brought their drone in to work one day,  
20 which got him interested in pursuing a career piloting a  
21 drone. Mr. Jones went on to say that the rest is history."

22 Is that -- all that accurate about your interview?

23 A. Yes, sir, it is.

24 Q. All right.

25 And then the next paragraph states that "Mr. Jones

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Michael Jones - 7/21/21

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1 difference between orthorectified and orthomosaic. I would  
2 just kind of say they're the same thing.

3 Q. So when you use these, you used them  
4 interchangeably these words, orthomosaic and orthorectified?

5 A. Yes, sir, I guess.

6 Q. And orthorectified, you said, allows you to -- it  
7 is measurements? Or what is it? What did you say?

8 A. It's, like, scaled to what you're taking. So  
9 everything would be in scale to the size of, say, if you  
10 were in a field with a building on it, and this building --  
11 everything is in scale to what it actually would be.

12 Q. And how does it do that?

13 A. With the metadata.

14 Q. Of what?

15 A. The GPS location metadata from the pictures.

16 Q. So it takes the pictures and it processes them or  
17 stitches them together?

18 A. Yes.

19 Q. It's the software that does that?

20 A. It is the software that does that via the  
21 metadata.

22 Q. Okay.

23 And then if you look at the third paragraph -- and  
24 I'll just try to simplify for time -- is there anything in  
25 there that you would dispute that you told him, or that is

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1 stated he operates as 360 Virtual Drone Services LLC and is  
2 100 percent owner of the company. He indicated he started  
3 out offering services in the real estate industry, which is,  
4 quote, 'low-hanging fruit,' unquote, because it is easy to  
5 work but there is no money in it. Mr. Jones indicated he  
6 began taking online mapping courses to help move into  
7 different areas of service. He added that he was able to  
8 transition into the construction industry providing  
9 orthomosaic or orthorectified maps. Mr. Jones indicated he  
10 markets his services through his website (ncdronehome.com),  
11 the Droners.io website, his YouTube channel (Jones Knows  
12 Drones), and Facebook (360VDrone.)"

13 Is all that accurate?

14 A. Yes, sir.

15 Q. And what is an orthorectified map?

16 A. Orthorectified is a measurable map; so it's  
17 actually -- let's see. So it doesn't have to be clarified  
18 to be complete accurate mapping, but it -- the picture is in  
19 a scaled map to what you're photographing.

20 Q. How is it different from orthomosaic?

21 A. I am actually not sure the difference between the  
22 two words.

23 Q. And have you provided both, orthorectified and  
24 orthomosaic to clients?

25 A. Orthomosaic, like I said, I'm not really sure the

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Michael Jones - 7/21/21

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1 an accurate report of your interview?

2 A. Yes, it is accurate.

3 Q. And then the fourth paragraph starts with:  
4 "Mr. Jones stated he has offered services to professional  
5 land surveyors but has not had much luck getting any work  
6 from them."

7 A. Yes.

8 Q. Is there anything -- if you're reading that fourth  
9 paragraph, is there anything in there that is -- misstates  
10 what you said or is inaccurate about the interview?

11 A. Yes. That's accurate.

12 Q. All right.

13 The next paragraph starts with: "Mr. Jones stated  
14 one of his current clients is Steve Keen, owner of Adair,  
15 LLC, a real estate development group."

16 Do you see that?

17 A. Yes, sir.

18 Q. He stated that "Mr. Keen wanted an overall view of  
19 the current project he is developing in Wayne County,  
20 North Carolina. Mr. Jones indicated Mr. Keen did not want  
21 multiple photos that he would have to tape together or zoom  
22 in on individually; however, because he is limited to a  
23 400-foot altitude, it was not possible to take a photo of  
24 40 acres with one shot. He indicated for that reason he  
25 recommended an orthomosaic map (evidence 4.5) using the

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1 DroneDeploy application that would like -- that would look  
2 like one photo and could be zoomed in on like one photo.  
3 Mr. Jones indicated the incremental photos allow Mr. Keeto  
4 keep up with the project progression without actually going  
5 out on-site. He added that his (Jones) map even allowed  
6 Mr. Keen to confirm that a truck delivering gravel had  
7 backed over and broken a section of curb and gutter."

8 Is that paragraph accurate?

9 A. Yes, sir.

10 Q. And then the next paragraph starts with:

11 "Mr. Jones stated another function of the DroneDeploy  
12 application is the ability to measure area, distance, and  
13 volume."

14 Do you see that?

15 A. Yes, sir.

16 Q. "He indicated he has never offered that service  
17 because the people he works for do not have a use for it and  
18 he is under the impression that you need a license to  
19 provide that type of information."

20 Do you see that?

21 A. Yes, sir.

22 Q. Is there anything in that paragraph that  
23 inaccurately states what you told him?

24 A. Yes, that's accurate.

25 Q. And then the next paragraph, starting with

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1 he should just call it a photograph."

2 Does that accurately reflect what you told the  
3 investigator?

4 A. That's accurate, yes.

5 Q. Next, final paragraph: "Mr. Jones stated he never  
6 has or will produce maps showing property lines or  
7 measurements. He acknowledged that he has taken some real  
8 estate videos (evidence 4.6) that include what appears to be  
9 property lines. He indicated his intent with that was to  
10 give a general location and shape of the parcel. Mr. Jones  
11 indicated there is never any bearings or distances on any of  
12 his maps. He added that he puts a disclaimer (evidence  
13 number 4.7) in the notes of his YouTube videos stating,  
14 'Property lines are for a visual guide only and are not  
15 accurate to county coordinates.'"

16 Is that accurate?

17 A. That is accurate.

18 Q. And then if I flip to page 18, is that a copy of  
19 your -- well, what is that document, if you know?

20 A. That is the right one?

21 It looks like a header I had on my website, maybe,  
22 or some website? Business card?

23 Q. Could be business card? Is that your business  
24 card?

25 A. Yeah. I think so, yeah.

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1 "Mr. Jones stated his disclaimers" -- is that paragraph  
2 accurate? Or does that paragraph accurately reflect what  
3 you told the investigator?

4 A. Yes, that's accurate.

5 Q. The next paragraph states that "Mr. Jones stated  
6 the Droners.io website provides free memberships. He  
7 indicated Droners.io gets paid a commission on what a member  
8 gets paid after completing a project. Mr. Jones indicated  
9 that upon signing up on the Droners.io website there is a  
10 checklist whereby you select the types of services you want  
11 to offer. He indicated one of the selections combines  
12 mapping and surveying. He added that when he selected that  
13 option he thought that he would only be offering mapping;  
14 however, he can see how it would be misconstrued with the  
15 word surveying included and has since removed that as an  
16 offering on the website."

17 Is that accurate? Or does that accurately reflect  
18 what you told the investigator?

19 A. That's accurate, yes, sir.

20 Q. Next paragraph: "Mr. Jones indicated he considers  
21 mapping as the stitching together of multiple photos. He  
22 has reiterated that he is unable to get what some clients  
23 want photographed in one shot so he takes multiple shots and  
24 stitches them together into a map or one large photo. He  
25 went on to say maybe the term mapping is the wrong word and

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1 Q. And does your business card have a "Professional  
2 Aerial Data & Media Drone Service Company"?

3 A. Yes. That's what's on there.

4 Q. And then one of the items that you offer is aerial  
5 mapping?

6 A. Yes, sir.

7 Q. What is your definition of aerial mapping?

8 A. Stitching of two photos or multiple photos  
9 together to create a large photo in one photo.

10 Q. And you do that, as you indicated -- you do that  
11 by taking your drone out to a location and setting up a  
12 preflight program using DroneDeploy; correct?

13 A. Yes, sir.

14 Q. And that -- and then you have the ability to input  
15 certain calculations like speed and altitude and the area  
16 that you want to fly in the preflight program?

17 A. Yes, sir.

18 Q. And then once all that's selected, you're taking  
19 the data that's generated, the photos that are taken, and  
20 then you run them through the DroneDeploy processing and  
21 they generate this orthomosaic map?

22 A. Yes, sir.

23 Q. And it's that orthomosaic map that's generated by  
24 DroneDeploy that's then sent back to you that you're calling  
25 aerial mapping?

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1 A. Yes, sir.  
2 Q. Okay.  
3 And then on -- let's see here. Let me find the  
4 page -- page 44, it says: "We offer video, pictures and  
5 orthomosaic maps (measurable maps) of the sites."  
6 What do you mean by that? What is a "measurable  
7 map"?  
8 A. So the measurable maps means that it is relevant  
9 to the same measurements in real life on-site.  
10 Q. Let me turn to Exhibit 1, which is a copy of the  
11 complaint.  
12 A. Okay.  
13 Q. This is a copy of the complaint that you filed on  
14 behalf of yourself individually and 360 Virtual Drone  
15 Services LLC on March 22, 2021; correct?  
16 A. Yes.  
17 Q. And in the first paragraph, you see the  
18 introductions paragraph on page 1?  
19 A. Yes, sir.  
20 Q. It says: "This is a First Amendment lawsuit to  
21 vindicate the rights of plaintiffs 360 Virtual Drone  
22 Services LLC and Michael Jones to create useful information  
23 (aerial images and related data) and disseminate that  
24 information to willing customers."  
25 Do you see that?

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1 run through software or is that --  
2 A. Same process as far as the mapping software for  
3 the thermal mapping of roof inspections that I did, they get  
4 ran through. But in this situation, I only delivered the  
5 data to the client and they did all the processing.  
6 Q. In one case -- you mean that you were hired?  
7 A. Yes, sir.  
8 Q. Any were there any other clients that asked for  
9 this thermal mapping?  
10 A. No, sir.  
11 Q. So on the thermal mapping, what were you asked to  
12 do?  
13 A. To capture the roof of I think four Walmart  
14 distribution centers and basically get orthomosaic map --  
15 thermal map of the roof.  
16 Q. And so how did you do that for that client?  
17 A. Same exact scenario. I arrived with the drone and  
18 a preprogrammed flight pattern, checked the air space,  
19 arrived, took the drone out and flew patterns over the  
20 entire roof with, like, an overlay of 70 percent, and then  
21 delivered that data to the client.  
22 They then took that data, because I'm not sure  
23 about how -- DroneDeploy, they did not do thermal imaging;  
24 so you had to through Pix4D. Pix4D, I think they sent it to  
25 their -- I had nothing to do with the processing on that

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1 A. Yes, sir.  
2 Q. All right.  
3 And what do you mean by "useful information"?  
4 A. Useful information. Useful information -- that  
5 would just be data the clients need or are ordering.  
6 Q. And the next sentence says: "In 2017, Michael  
7 Jones' business, 360 Virtual Drone Services LLC, began  
8 harnessing cutting-edge drone technology to capture aerial  
9 images and data about land and property - including  
10 orthomosaic aerial pictures, thermal maps, and other  
11 visualizations of information about land."  
12 Do you see that?  
13 A. Yes, sir.  
14 Q. Is that true?  
15 A. Yes, sir.  
16 Q. And did you provide thermal maps?  
17 A. Yes, sir.  
18 Q. And who did you do that for?  
19 A. It was a company out of Chicago but I cannot  
20 remember the name, it's been so long ago.  
21 Q. What is a thermal map?  
22 A. A thermal map is taken with a thermal imaging  
23 sensor on the drone that actually doesn't take pictures;  
24 it's measuring thermal heat.  
25 Q. And is this something that you -- do you need to

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1 job. I just collected the data, delivered it to the client,  
2 and they did the processing with some other company and  
3 delivered it to their end client.  
4 Q. So explain to me the data that you're talking  
5 about.  
6 When you say "deliver the data," what are you --  
7 A. The thermal imaging photos -- well, they're not  
8 really photos, but thermal imaging photos that I collected  
9 from that drone.  
10 Q. And so they're multiple photos, right, taken?  
11 A. Yes. In TIFF images.  
12 Q. So you're providing them with the photo images?  
13 A. Yes, sir.  
14 Q. Okay.  
15 Anything else that you're doing?  
16 A. In that job, they have -- they actually had a  
17 video and photo of thermal. So they did the orthomosaic  
18 map, I collected the data for the orthomosaic map, then I  
19 also did the same type pattern manually with the video over  
20 the whole entire roof.  
21 Q. Okay.  
22 A. So that was just what I delivered. I didn't  
23 process that data.  
24 Q. And so with that client, you provided them with  
25 the thermal imaging photos?

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1 A. Photos -- imaging photos and imaging video.  
2 Q. You provided them with a video?  
3 A. Yes, sir.  
4 Q. And did you provide them with a orthomosaic map?  
5 A. No.  
6 Q. Okay.  
7 On paragraph 3 on page 2 -- this is Exhibit 1.  
8 We're going to be on that for a little while.  
9 A. Page 2?  
10 Q. Page 2, paragraph 3. In the middle of the  
11 paragraph, it says: "Simply, the projects the board -  
12 aerial photos, data, 3D digital models and the like - are  
13 speech that is fully protected by the First Amendment."  
14 Do you see that?  
15 A. Yes, sir.  
16 Q. Okay.  
17 And the aerial photos -- what aerial photos are  
18 you talking about that the board is targeting?  
19 A. Okay. So the ones they're targeting are,  
20 according to them -- or William Casey -- was orthomosaic  
21 maps would be included, any photo at all with any metadata,  
22 I can't deliver for any monetary trade or value, and 360  
23 pictures would be included because I was also told that any  
24 stitching of any pictures in North Carolinawas surveying --  
25 practicing promotional surveying.

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1 Q. And you're taking photos, images that are JPEG  
2 images?  
3 A. Yes.  
4 Q. And you're taking those and you're running it  
5 through some sort of software to create a 360-degree --  
6 A. -- navigable picture.  
7 Q. Okay.  
8 And, likewise, are you doing any analysis?  
9 A. No, sir.  
10 Q. Do you have any commentary for the client?  
11 A. No, sir.  
12 Q. Do you provide any -- any input on the data?  
13 A. No, sir.  
14 Q. Other than gathering -- you know, putting the  
15 drone up, taking the pictures, is your company adding any  
16 other work product to this so-called project?  
17 A. Color correction, that's it, you know, to the  
18 photos. And that's only if they pay.  
19 Q. In paragraph 8 on page 3, 360 Virtual Drone  
20 Services LLC is a North Carolina limited liability company  
21 wholly owned by you; correct?  
22 A. Yes, sir.  
23 Q. And the next page, paragraph 14 "Using cameras,  
24 drones can take photographs of - and collect data about -  
25 buildings, land, construction sites, and other property."

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1 Yeah, I guess that's it. Those are things I was  
2 told that I can't do.  
3 Q. And 3D digital models?  
4 A. 3D digital models, yea.  
5 Q. And are you using 3D digital models  
6 interchangeably with 360 pictures?  
7 A. No.  
8 Q. Okay.  
9 3D digital models, as I understand it, so the  
10 record is clear, is very similar to orthomosaic maps and how  
11 that project is generated?  
12 A. Yes, sir. Just the flight pattern and the capture  
13 process is a little different.  
14 Q. Is the 360 -- 360 picture or 360-degree picture --  
15 I don't know how you refer to it -- is that the same process  
16 as well?  
17 A. No, sir.  
18 Q. And what is that process?  
19 A. That is just stitching together the pictures in  
20 a -- it's in another format, but it's still stitching  
21 pictures together.  
22 Q. And what format or what software are you using?  
23 A. That -- it's actually three different softwares.  
24 So it's Photoshop, Adobe Lightroom, and then a program  
25 called RICOH, R-I-C-O-H.

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1 Is there anything that we haven't already  
2 discussed that explains that allegation?  
3 A. I don't think so.  
4 Q. And then metadata is mentioned in paragraph 17.  
5 Do you see that?  
6 A. Yes, sir.  
7 Q. Okay.  
8 So in your complaint, you say: "Metadata are  
9 secondary data about an image (for example, the time and  
10 date an image was captured or the GPS coordinates for where  
11 it was captured). Virtually any picture taken with a modern  
12 smartphone contains metadata. Similarly, drone-captured  
13 images can include metadata as well, including data about  
14 ground elevation, heat, locations, and distances."  
15 Do you see that?  
16 A. Yes, sir.  
17 Q. Okay.  
18 And what is the -- give me an example of an image  
19 that is taking a picture that includes metadata about ground  
20 elevation.  
21 A. An example of a photo?  
22 Q. Yeah. I'm trying to understand what you're  
23 referring to here.  
24 A. And where was that? Which?  
25 Q. 17, at the end of 17. Because you're talking

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1 about an image. When you say "image," you mean like a JPEG  
2 image; right?  
3 A. A photo, yes.  
4 Q. Okay.  
5 And give me an example of what you're referring to  
6 where you allege that drone-captured images can include  
7 metadata, including data about ground elevation.  
8 A. Okay. You just want an example of that?  
9 Q. Yes.  
10 A. Any photo I take with my drone has that in it.  
11 Q. Okay.  
12 How so? I'm trying to get you to explain it to me  
13 because I don't know what that means.  
14 A. Let's see. So photos have information in them.  
15 So you can go to a photo and click on -- if you're in Apple,  
16 right-click into info and it will bring up information about  
17 this photo as listed in your GPS coordinates, the time it  
18 was taken, the elevation it was taken, and there's probably  
19 a few more pieces of information it has that I can't think  
20 of now.  
21 But any photo I would take with my drone has this  
22 in the photo.  
23 Q. Right.  
24 But you're saying -- when you say "ground  
25 elevation" --

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1 Q. Okay.  
2 So all of this can be summarized as GPS data and  
3 altitude other than the heat?  
4 A. Yes. I would just put it all under the umbrella  
5 of metadata.  
6 Q. Okay.  
7 And have you received any warning or notice from  
8 the board that you're not allowed to take pictures that show  
9 the elevation of the picture -- or the altitude of the  
10 picture?  
11 A. Say that one more time, make sure I understand.  
12 I'm sorry.  
13 Q. Bad question.  
14 Have you received any warning or notice from the  
15 board that you're not allowed to take and sell pictures that  
16 tell a user at what altitude the picture was taken from?  
17 A. Yes. I was told I couldn't take it with any  
18 metadata. So I could deliver the client a picture -- if  
19 there was a monetary value trade, which is what I do, I  
20 could not charge a client and then give them a picture if it  
21 had metadata. When I asked William Casey what I had to do,  
22 his answer was I had to strip the metadata out of the photo,  
23 then deliver it to the client.  
24 Q. And so other than your conversation with the  
25 investigator -- and the entirety of that conversation is

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1 A. Altitude.  
2 Q. -- you mean the height that the picture was taken  
3 from?  
4 A. Yes, sir.  
5 Q. Oh, okay.  
6 But nothing about the elevation of the ground.  
7 A. Oh, I see what you're saying. So elevation to the  
8 ground versus altitude. No.  
9 This -- in the picture, the metadata would be the  
10 altitude of the picture.  
11 Q. Okay.  
12 A. Yeah. Sorry. I didn't see what you were saying  
13 with elevation. But, yeah.  
14 Q. And then what do you mean by "heat"?  
15 A. If it's a thermal picture, that's how it -- the  
16 heat sensor actually collects the image and creates it by a  
17 thermal imaging sensor which is not actually a photo; it's  
18 actually a sensor, heat.  
19 Q. And then when you say "location data," are you  
20 talking about where on the earth this picture was taken?  
21 A. GPS coordinates, yes, sir.  
22 Q. Okay.  
23 And "distances," what do you mean by that?  
24 A. Distances would just be in the GPS data from  
25 where, like, the coordinates where that picture is at.

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1 William Casey allegedly told you you've got to strip  
2 metadata from pictures?  
3 A. Yes, sir.  
4 Q. Okay.  
5 Other than that, have you been provided any type  
6 of warning or notice that you're not allowed to sell  
7 pictures that show the altitude that the picture was taken  
8 from?  
9 A. Just this warning letter here This is the one I  
10 got.  
11 Q. The June letter?  
12 A. Yes, sir.  
13 Q. Okay.  
14 And have you received any warnings or notices that  
15 you're not allowed to sell pictures, JPEG pictures, that  
16 show the -- that have GPS coordinate information in it?  
17 A. Not written on any paper, no, sir.  
18 Q. Okay.  
19 And then the next paragraph says: "Using this  
20 metadata" -- the one we just talked about in 17 --  
21 A. Yes, sir.  
22 Q. -- "computer software can use drone-captured  
23 images to calculate the distance from Point A to Point B."  
24 Can you explain that to me?  
25 A. Just as we went over earlier, in the DroneDeploy

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1 software, they have tools in there where you can measure the  
2 distances. I couldn't explain the intelligence behind the  
3 software or how it works, but that's inside of their  
4 platform.  
5 Q. Yeah.  
6 So what you're saying is that these JPEGs that are  
7 taken, those pictures are taken and they're run through a  
8 program or they're processed by DroneDeploy?  
9 A. Yes, sir.  
10 Q. And DroneDeploy creates for you an orthomosaic  
11 map, and that data or that work product that's generated,  
12 you could pull that up and you could plot points on the map  
13 and you could -- if you wanted to, and you could figure out  
14 certain circumstances?  
15 A. Yes. DroneDeploy has that as one of their tools.  
16 Q. Okay.  
17 And it's not really the metadata itself that  
18 they're using, but it's -- they're taking all these photos  
19 and stitching them together and they're creating this map.  
20 And based on this map, you're able to plot points and you  
21 could, if you wanted to, create distances?  
22 A. So that is using the metadata to do that. They  
23 are using the metadata to perform those functions inside of  
24 their application. So -- but yes, that is what they're  
25 doing. They're using the metadata in order to distinguish

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1 A. No.  
2 Q. And then you go on and you give an example. You  
3 say: "For example, a drone can photograph a stockpile of  
4 building materials. In doing so, the drone can capture  
5 metadata on materials' location and elevation. That data,  
6 in turn, can be used quickly to calculate the approximate  
7 volume of the stockpile as a whole, often called 'volumetric  
8 calculation.'"  
9 Do you see that?  
10 A. Yes, sir.  
11 Q. Did you ever do this?  
12 A. No, sir.  
13 Q. Were you ever asked to do this?  
14 A. No, sir.  
15 Q. And there's probably -- if we're on paragraph 18,  
16 if you go to DroneDeploy software, you could probably create  
17 hundreds of examples, could you not --  
18 A. Absolutely.  
19 Q. -- and put those in as paragraphs in this  
20 complaint?  
21 A. Yes, sir.  
22 Q. Okay.  
23 You go on to say another example is  
24 "Drone-captured images and data can also be used," I guess  
25 by DroneDeploy, right, "to create 3D digital models of land

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1 distances and measurements and volumes, and they have other  
2 stuff you can pull from there as well.  
3 Q. They're actually doing more than that, though;  
4 right? They're actually taking the photos, including  
5 whatever this metadata is that you contend is there?  
6 A. Yes, sir.  
7 Q. And they're processing and creating an orthomosaic  
8 map that then would allow them to do the measure or  
9 calculate distance from Point A to Point B?  
10 A. Yes, sir. In other words, that metadata is also  
11 being used to create a tool where you can measure.  
12 Q. Did you ever use that tool?  
13 A. I used it for my fun, just to see, like, "Wow, I  
14 can't believe this technology can do this," but that's it.  
15 Q. Were you ever asked to perform that calculation  
16 for a client?  
17 A. No.  
18 Q. Have you ever performed that calculation for a  
19 client?  
20 A. No.  
21 Q. You said the software can calculate the size of  
22 objects as well. Were you ever asked to do that?  
23 A. No.  
24 Q. Did you ever perform or calculate the size of  
25 objects using that software?

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1 and structures."  
2 A. Yes, sir.  
3 Q. And that's another capability of the software, but  
4 that's not something you were ever asked to do?  
5 A. No, sir.  
6 Q. And it's not something you've ever done?  
7 A. No, sir. I wish.  
8 Q. And then another example, in 20, is: "Drones can  
9 use heat sensor imaging to identify thermal leaks in large  
10 buildings and storage units"; right?  
11 A. Yes, sir.  
12 Q. And those are JPEGs or photos with this type of  
13 capability?  
14 A. Yes. Thermal imaging.  
15 Q. And you don't analyze anything?  
16 A. No, sir.  
17 Q. You don't editorialize?  
18 A. I don't. On thermals, I do absolutely nothing to  
19 them. Matter of fact, I don't even have a thermal camera.  
20 The company actually flies me a thermal camera to clip on my  
21 drone.  
22 Q. You provide no input, commentary?  
23 A. Just the deliverable of that data.  
24 Q. You take the -- you use your drones, you take the  
25 photos, and you send them the photos?

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1 A. Yeah.  
2 Q. Okay.  
3 I mean, that sounds like -- other than the  
4 orthomosaic maps that you're generating from DroneDeploy it  
5 sounds like you're hired to take photos and video and you  
6 just send them the photos and video?  
7 A. A lot of times, yes.  
8 Q. And other than sending a client a photo or video  
9 that was taken -- again, without analysis, without  
10 commentary, without editorializing, without any input --  
11 you're just sending them photos that you were taking?  
12 A. I mean, unless they hire the option of me color  
13 correcting and editing the photo. But yes, on these jobs,  
14 we're talking about how these orthomosaic captures, the heat  
15 imaging systems, that was all me delivering the data for the  
16 client to them. They did all of the processing and they did  
17 the delivery to the client. I was not even ever aware of  
18 who the client was.  
19 Q. And then as I understand it, the scope of the  
20 modifications you made to your business after receiving the  
21 June 13th, 2019, letter is that you no longer generated  
22 orthomosaic images from drones --  
23 A. I just, like, turn down if they call now.  
24 Q. Other than that, though, your business model is  
25 the same?

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1 A. Yes.  
2 Q. And that's something you did prior that you don't  
3 do anymore?  
4 A. No. I just take pictures. I let the Realtors  
5 know if they want the lines on they'll have to do it, which  
6 they are fine in doing.  
7 Q. And you're not licensed as a land surveyor in  
8 North Carolina; correct?  
9 A. No. No. Nor do I want to be.  
10 Q. Just so I'm clear on what you've done to make  
11 changes to your business model, you no longer use  
12 DroneDeploy to generate orthomosaic maps?  
13 A. No, sir.  
14 Q. And you no longer draw lines on photos?  
15 A. No, sir.  
16 Q. Other than that, you're operating the same as you  
17 were before?  
18 A. Yes, sir.  
19 Q. And one other thing -- I guess the third thing is,  
20 you no longer do the 360-degree or do you still do that?  
21 A. The 360 navigable photos? No.  
22 Q. 360 navigable?  
23 A. Yeah, that's the best way to describe it, I guess,  
24 because you can turn to navigate in them. But no, due to  
25 the stitching.

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1 A. Yeah. I still do video and photos and stuff like  
2 that for marketing.  
3 Q. Do you still do -- have you done any heat sensor  
4 images?  
5 A. No, sir.  
6 Q. Have you been asked to do it?  
7 A. No, sir. I wish that would take off but it hasn't  
8 yet.  
9 Q. If you're asked to do that, would you feel  
10 comfortable doing that?  
11 A. As long as it wasn't an orthomosaic map, I would  
12 Q. Okay.  
13 And so essentially -- and I don't want to try to  
14 oversimplify this whole lawsuit factually, but factually,  
15 you're -- the thing that you're not able to do that you did  
16 before is the orthomosaic maps?  
17 A. Yes. And then, like I said, the 360 stitching  
18 pictures, the terminable, mappable 360 photo.  
19 Q. But that's not in your lawsuit.  
20 A. It would be if you are considering the stitching.  
21 Q. Okay.  
22 I guess, paragraph 28, another example of work  
23 that you did previously was taking aerial photographs, not  
24 orthomosaic maps, and adding rough boundaries for the  
25 property that you were asked to photo; correct?

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1 Q. And why do you not do that? Who told you you  
2 couldn't do that?  
3 A. Mr. William Casey.  
4 Q. Okay.  
5 Other than Mr. Casey, did anyone say you can't do  
6 that?  
7 A. Nope. He's the only one I talked to.  
8 Q. And if you were successful in your lawsuit, what  
9 would you -- how would you change your business going  
10 forward?  
11 A. I would start advertising and looking to get some  
12 of these things I mentioned I wanted to do, like the parking  
13 lot paving inspections; I still get calls for those.  
14 Roofing inspections; I still get calls for those. And  
15 progress -- progression maps for, you know, developers or  
16 real estate people who develop in neighborhoods and property  
17 managers who have, like, shopping centers; I get calls for  
18 that.  
19 Q. And when you --  
20 A. So I would try to advertise and point back to  
21 those people to let them know that now I'm clear from the  
22 State and I'm available to do these maps if you still want  
23 them.  
24 Q. And so essentially you would advertise that you  
25 are cleared or available to do orthomosaic maps?

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1 A. Orthomosaic mapping, yes, sir.  
2 Q. And in order to do that mapping -- and just so  
3 that we're clear, that would be something where you would  
4 take certain information from the client and you would input  
5 it into the computer program?  
6 A. Yes, sir.  
7 Q. And you would make selections on altitude and  
8 speed and maybe some other items and essentially push a  
9 button and fly the drone -- it would create a flight plan  
10 and then you'd fly the drone?  
11 A. Yes, sir.  
12 Q. And then you would fly the drone, collect the  
13 data, you would take the data transfer it to your computer,  
14 and then you would run it through DroneDeploy software, and  
15 that software would generate an orthomosaic map, and then  
16 you'd just take that work product by -- that was generated  
17 by DroneDeploy and you'd send it to the client?  
18 A. In PDF.  
19 Q. In PDF?  
20 A. Or JPEG, could do either.  
21 Q. And that information that you're providing to the  
22 client doesn't have any work product of your own in the form  
23 of analysis or commentary or any type of data. You're not  
24 providing them with distances or --  
25 A. No. No, sir.

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1 creation, processing, and dissemination of orthomosaic maps  
2 is speech?  
3 A. Yes.  
4 Q. And you're talking about speech on your behalf,  
5 right, 360 degrees -- 360 Virtual Drone Services LLC and/or  
6 Michael Jones?  
7 A. Yes, sir.  
8 Q. Okay.  
9 And tell me about your speech. What is -- what  
10 part of that process in generating orthomosaic maps are we  
11 talking about your personal speech?  
12 A. I'm not sure how to answer.  
13 Q. Okay.  
14 Because I've asked if you -- you know, do you --  
15 what input do you have into it, what type of commentary do  
16 you have, what type of analysis do you have, how do you  
17 affect or alter the map that is created by DroneDeploy.  
18 And I've essentially received, "I don't do  
19 anything except take the inputs from the client and  
20 create -- run the drone, process the data, and DroneDeploy  
21 sends it to me and I just send it to the client."  
22 A. Uh-huh.  
23 Q. Is that true?  
24 A. Yeah. But I don't get the question you're asking  
25 after that. I don't -- I'm sorry.

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1 Q. Let me ask you to turn to page 19. Paragraph 93  
2 says: "Plaintiffs want to create, process, and communicate  
3 information - for example, aerial images, 3D digital models  
4 and data about land and structures."  
5 Do you see that?  
6 A. Yes, sir.  
7 Q. All right.  
8 And when you say "create, process, and  
9 communicate," is it the same example that we talked about  
10 with using DroneDeploy software?  
11 A. Yes, sir.  
12 Q. Okay.  
13 And on top of the DroneDeploy software, you're  
14 talking about just taking regular old JPEGs or aerial  
15 images?  
16 MR. GEDGE: Object to form.  
17 Q. Okay.  
18 A. I'm sorry. I didn't get the question.  
19 Q. Yeah.  
20 So on top of the example of creating an  
21 orthomosaic map using DroneDeploy, are you also talking  
22 about just generating aerial images in the form of JPEGs?  
23 A. Yes. I would continue to do what I'm doing now as  
24 far as my workflow now on top of this.  
25 Q. And it's your contention to the Court that the

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1 Q. Yeah. That's the predicate for the question.  
2 Is that all true, how I explained it? And if it's  
3 not, if it's not accurate, let me know.  
4 A. Say it one more time, if you don't mind, so that  
5 I'm clear.  
6 Q. I'll do my best.  
7 So you're taking inputs from the client; right?  
8 A. Uh-huh.  
9 Q. You are using DroneDeploy software; correct?  
10 A. Okay. Yes.  
11 Q. You're inputting certain information from the  
12 client on altitude, the software is generating certain  
13 automatic things for you like speed?  
14 A. Yes, sir.  
15 Q. The client is telling you how they want the  
16 overlay and what distance they want you to complete --  
17 they're giving you that information; right?  
18 A. Yes, sir.  
19 Q. And you're feeding that into the program to create  
20 this flight plan?  
21 A. Yes.  
22 Q. You push a button, the flight plan is done; right?  
23 A. Yes, sir.  
24 Q. And then the drone flies the flight plan?  
25 A. Yes, sir.

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1 Q. And collects data. You take the data, you run it  
2 through DroneDeploy software, and they spit out this  
3 orthomosaic map and you send it to the client?  
4 A. Yes.  
5 Q. Where is your personal speech in all that that  
6 you're saying is being violated?  
7 A. I don't know if I feel comfortable answering  
8 because I don't know laws that well. I would hate to  
9 misword something and it not be accurate. So I would -- I  
10 don't know how to answer that.  
11 Q. Well, it's your lawsuit; right?  
12 A. Mine and 360, the same.  
13 Q. Okay.  
14 And you're saying that by not being able to  
15 create, process, and disseminate this orthomosaic map, it's  
16 violating your First Amendment rights? That's what your  
17 lawsuit says; right?  
18 A. Yes, sir.  
19 Q. Okay.  
20 And I'm just trying to -- as best you can do,  
21 explain to me how that is. What speech are you personally  
22 worried about that you're trying to protect?  
23 A. That's -- to me, that's too deep into the law I  
24 mean, I wouldn't feel comfortable even starting to give you  
25 any answer on that.

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1 say --  
2 A. I'm not comfortable doing it. That's my best  
3 answer. Yeah.  
4 Q. Okay.  
5 Do you know if the board ever asked you for any  
6 examples of your work product?  
7 A. They never asked me. When I met with William  
8 Casey, I could clearly see all the data he had of mine;  
9 so -- but I never asked for it, but they did have it.  
10 Q. What data did they have?  
11 A. Stuff off my work site, stuff I sent in,  
12 screenshots of different screens from my website or the  
13 Droners.io. Everything I see in here, I mean, I could see  
14 that in his folder as he was working. So -- but I was never  
15 asked for it; he had it prior to getting there.  
16 Q. Did you ever provide an example of an orthomosaic  
17 map?  
18 A. No.  
19 Q. Did it matter from -- as best you understand it,  
20 from the board's perspective as to whether or not the map  
21 was of an industrial site, of a commercial site, of a farm,  
22 of a home? Did any of that matter? In other words, the  
23 specific content of the thing?  
24 A. Not that I'm aware of, they didn't specify that  
25 any of it made any difference.

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1 Q. Yeah. I'm not asking you to give me a legal  
2 analysis on the First Amendment.  
3 A. Yeah.  
4 Q. I'm just asking for your own -- what speech are  
5 you worried about that you're saying to Judge Planagan, "I  
6 need you to protect this speech that's subject to First  
7 Amendment protections" from your viewpoint?  
8 A. Again, I don't know how to answer it. Sorry.  
9 Q. Okay.  
10 So you don't have to -- can you identify any  
11 speech for me that you're worried about?  
12 A. Again, that's getting into the law thing. I would  
13 rather him take care of that part, as far as that.  
14 Q. Right.  
15 And I can't -- unfortunately, I can't depose him.  
16 A. Sure.  
17 Q. I would love to do that but I'm not allowed to.  
18 A. I understand.  
19 Q. It's your lawsuit, and if you can't identify  
20 speech, that's fine --  
21 A. Yeah.  
22 Q. -- but I just want you to do the best you can to  
23 tell me, "This is what I'm concerned about, this is what I'm  
24 trying to protect, this is the speech I'm identifying," if  
25 you can. If you're not able to do that, then you just

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1 Q. Okay.  
2 So the type of information specifically that was  
3 being produced, it didn't -- do you know if -- whether the  
4 board ever communicated to you that it mattered what type of  
5 project you were working on?  
6 A. No, sir.  
7 (Recess taken, 2:24 to 2:35 p.m.)  
8 Q. Mr. Jones, I just want to make sure I'm clear on  
9 your lawsuit.  
10 But you're seeking the ability, are you not, under  
11 paragraph 77, to provide orthomosaic maps to paying clients?  
12 A. Yes.  
13 Q. Okay.  
14 And you would do that using DroneDeploy?  
15 A. Honestly, I'd use something else. DroneDeploy is  
16 not a leading division in that field. Pix4D is the top one.  
17 Q. And prior to receiving the June 2019 letter, you  
18 were using DroneDeploy?  
19 A. I was using DroneDeploy, yes, sir.  
20 Q. And you were -- as I understand it, you were  
21 inputting certain information into the software in order to  
22 generate this preflight plan; right?  
23 A. Yes.  
24 Q. And at the end of the day when you got the data  
25 from them and they did the -- they process this orthomosaic

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1 map, you turned it into a PDF and you sent that to the  
2 client?  
3 A. Yes, sir.  
4 Q. And do you know -- when they get that PDF, do you  
5 know what they can do with the PDF -- the client?  
6 A. I'm thinking they could do many things with it,  
7 but monitor progress is one, you know -- like we went  
8 through the list earlier, safety, quality control -- those  
9 are just several things they can do with it.  
10 Q. And you mentioned the -- one option would be,  
11 although you never did this, but you could send them the  
12 link with the log-in information and they could access  
13 DroneDeploy and do all kinds of calculations; right?  
14 A. Kind of like a Google Share Map or if you ever had  
15 a DocuShare. So it's not really -- they don't log in to  
16 your account, but you make them kind of an admin user on  
17 this profile. Then they have access to do it. And you can  
18 see -- everyone can see all of their actions, every note as  
19 they go in. For example, they may go in and put a note in  
20 that says, "Here on this map, this pile needs to be moved by  
21 Friday." The site manager would see it, I would see it,  
22 everybody involved with it -- that's kind of how it works.  
23 Q. And in that hypothetical -- that's a hypothetical;  
24 right?  
25 A. Yes.

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1 A. Okay.  
2 Q. Not providing the PDF, but providing the link and  
3 access to DroneDeploy --  
4 A. Okay.  
5 Q. -- and the ability to perform all kinds of  
6 measurements and calculations, would you agree that you're  
7 giving the client the ability to perform surveying?  
8 A. I'm not sure I want to define what surveying is  
9 because I don't see it as surveying, but the board may have  
10 a definition of surveying that they say ...  
11 Q. Well, the legislature defined it; right?  
12 A. I'm not sure who.  
13 Q. Okay.  
14 Well, there's the Exhibit 5 -- do you have that in  
15 front of you? Chapter 89C?  
16 A. This one?  
17 Q. Yes.  
18 Do you understand that this is a general statute  
19 that was enacted by the North Carolina legislature?  
20 A. Yes.  
21 Q. Okay.  
22 And if you flip to the second page, under 89C-3,  
23 do you see where it has: "7, Practice of land surveying"?  
24 A. Yes.  
25 Q. Okay.

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1 Q. You never did that?  
2 A. Yeah, I never did get that far.  
3 Q. In that hypothetical, you would provide the client  
4 information or data that they could then access to perform  
5 all kinds of surveying calculations; right?  
6 A. Different tools. I'm not sure what you're  
7 considering surveying. On the DroneDeploy site, they have  
8 many tools that the user or I could use.  
9 Q. Right.  
10 To do all kinds of calculations?  
11 A. Elevations.  
12 Q. Distances?  
13 A. Volumetrics.  
14 Q. Correct.  
15 A. Yes, sir.  
16 Q. Things that would, even in your view, right, when  
17 you reviewed the statute, would fall under what the  
18 North Carolina legislature has defined as "land surveying"?  
19 A. Let me try and make sure I understand the  
20 question.  
21 You are asking me do I think the board is saying  
22 all this is classified under surveying and I can't do it?  
23 Q. No.  
24 I'm not saying that. With -- your hypothetical,  
25 providing --

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1 And the legislature indicated that "providing  
2 professional services such as consultation, investigation,  
3 testimony, evaluation, planning, mapping, assembling, and  
4 interpreting reliable scientific measurements and  
5 information relative to the location, size, shape, or  
6 physical features of the earth" -- do you think the data  
7 you're providing the client would allow someone to perform  
8 these type of measurements and information relative to the  
9 location, size, shape, or physical features of the earth?  
10 A. Well, again, I can read this document I can see  
11 what this document's saying, what they're saying is this;  
12 but no, I don't agree that what I was providing -- to  
13 provide the client the option to go into DroneSurvey [sic]  
14 and pull a measurement is not, you know, giving them access  
15 to perform a surveying task.  
16 Q. Are you providing the client data with the ability  
17 or someone else the ability to perform these measurements,  
18 if you know?  
19 A. With the -- am I providing them with the ability  
20 to perform the measurements? I'm providing them with the  
21 software that you have the option to do that in.  
22 Q. Correct.  
23 A. Yes.  
24 Q. All right.  
25 And do you know that the information you're

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1 providing them is reliable or contains reliable scientific  
2 measurements?  
3 A. Do I know if the measurements are scientific? Is  
4 that --  
5 Q. Yeah.  
6 Do you know if the map, the orthomosaic map that  
7 you're providing in the hypothetical with the ability to  
8 access the DroneDeploy software, do you know if you're  
9 providing them with reliable scientific data?  
10 A. Some of it, yes.  
11 Q. Okay.  
12 And how do you know that? How have you been able  
13 to confirm that?  
14 A. Just with the measurement that I mentioned  
15 earlier, by pulling the tape on the ground and then  
16 confirming with the measurement from the photos captured  
17 Q. So you took a -- one orthomosaic map that was --  
18 A. I measured -- sorry.  
19 Q. You took one photo or one orthomosaic map, you  
20 plotted two points on that orthomosaic map, created a  
21 distance, and then you went out and measured it. And  
22 because that one time was accurate, you're saying that  
23 that's confirmed that this is an accurate scientific  
24 measurement that you can provide to your clients?  
25 A. No. I would not provide a measurable map to the

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1 scientifically reliable?  
2 A. The DroneDeploy is using that metadata in the  
3 photos so I trust the metadata in the photos 150 percent.  
4 That can't be incorrect; it's metadata in the photos.  
5 Q. Are you -- under paragraph 77 are you seeking to  
6 provide clients with anything other than a PDF copy of the  
7 orthomosaic map?  
8 A. No. I'm just -- want to continue what I was  
9 doing, which was delivering the PDF of an orthomosaic map.  
10 Q. As part of your lawsuit, are you trying to collect  
11 data, provide that data to the client with the ability to  
12 perform all of these calculations that we're talking about  
13 for location, size, shape, and physical features of the  
14 earth?  
15 A. No.  
16 (Exhibit 7 marked.)  
17 Q. And quickly I'm going to show you what has been  
18 marked as Exhibit Number 7 And this is a document that was  
19 generated -- or that we located on the internet that was  
20 generated, a PDF document by DroneDeploy.  
21 A. Uh-huh.  
22 Q. And it says this -- and I know you can't identify  
23 it, but I want to walk through it to see if this is  
24 consistent with your experience with DroneDeploy.  
25 A. Yes, sir.

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1 clients with any data telling them they could measure it or  
2 it could be used for measurement. I would make that clear  
3 from the get-go, which I have always done.  
4 So yeah, it -- that does provide them with the  
5 option to measure. Do I think it's stepping on the  
6 surveying? I don't. I mean, to answer your question, yes, I  
7 measured my driveway, I measured several orthomosaic maps  
8 that I did with the tape and confirmed it.  
9 Do I know that's scientific from doing those  
10 measurements? I mean, those -- that data informs me that  
11 that is correct, yes. As far as delivering it to the  
12 client, I don't think I have a place to deliver it to the  
13 client with saying you can measure off of it or anything.  
14 So they're kind of two separate questions. You're  
15 asking me is the software capable of being able to do what  
16 they're saying? Yes, it is.  
17 Do I break the surveying law by giving a client  
18 something they could possibly go measure with? I don't see  
19 that at all.  
20 Q. When you say "they" are saying, it's --  
21 A. The board.  
22 Q. Okay.  
23 A. Sorry.  
24 Q. But are you not relying on DroneDeploy or whatever  
25 software you would use to determine whether all of this is

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1 Q. "This document is designed to serve as a  
2 beginners' guideline to providing [sic] raw imagery in  
3 DroneDeploy. It covers flight planning, flight execution,  
4 image processing, image export, and use in ArcGIS."  
5 Do you see that?  
6 A. Yes, sir.  
7 Q. Okay.  
8 And then the first topic, they talk about flight  
9 planning. And you and I have talked about that throughout  
10 this deposition. And that's something you did using the  
11 software; correct?  
12 A. Yes, sir.  
13 Q. And it looks like they have a dashboard.  
14 Does that dashboard -- is that similar to the  
15 dashboard you were using?  
16 A. Yes, sir. It looks familiar.  
17 Q. Okay.  
18 A. Unless they upgraded or something, pretty close.  
19 Q. And then the first thing you talked about is  
20 selecting the area of the flight; right?  
21 A. Yes, sir.  
22 Q. Okay.  
23 And it says on page 2: "Once you create this  
24 area, the flight path of the drone will be automatically  
25 created, with the ability to change its direction under

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1 advanced settings"; right?  
2 A. Yes, sir.  
3 Q. Okay.  
4 Did you use the advanced settings?  
5 A. Some jobs required the advanced settings; some  
6 didn't.  
7 Q. And it says here: "You can alter more settings  
8 for your flight plan, such as: sidelap."  
9 Do you know what sidelap is?  
10 A. That's what I mentioned earlier in the  
11 overlapping -- the front, back, and sidelaps -- there's  
12 front, back, and side overlaps on each photo.  
13 Q. And that's something that you had to -- you either  
14 went with what was standard or you made changes to it;  
15 correct?  
16 A. Yes, sir. If it wasn't -- if the client suggested  
17 anything different than what was default in the program, I  
18 entered what the client wanted.  
19 Q. How about frontlap?  
20 A. Same.  
21 Q. So frontlap, you would go with what was the  
22 recommended setting or you would ask the client what they  
23 wanted to do?  
24 A. Yeah. Just to be clear, so it has a default in  
25 there; I'm not sure what the default is. But if the client

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1 settings.  
2 Do you know what that input is?  
3 A. Where are we at now?  
4 Q. On page 3, under -- the top is "starting  
5 waypoint."  
6 A. "Manual camera settings"?  
7 Q. Yeah.  
8 A. Okay.  
9 Q. Do you know what that is?  
10 A. So this is that you could basically -- in  
11 photography, you have manual and you have automatic.  
12 Automatic, the computer decides everything manual, I decide  
13 everything -- the aperture, the F-stops, the shutter speed.  
14 And that's basically what that is; you can either let  
15 DroneDeploy use the autocamera or you can set it and  
16 determine all those things manually yourself.  
17 Q. And what did you do?  
18 A. Manually. Always manually on photos.  
19 Q. And then the second area or topic under this paper  
20 is "Flight Execution."  
21 A. Okay.  
22 Q. Do you see that?  
23 A. Yes, sir.  
24 Q. It says: "Once at the site, power on the drone,  
25 acquire the GPS, and calibrate the compass."

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1 had -- normally a client did have, "We want 70 percent front  
2 overlap, 60 percent side overlap, and that's it," and if it  
3 was different than what was default, then I changed it.  
4 Q. Flight speed is another calculation that you would  
5 either go with the default --  
6 A. If I'm not mistaken, the DroneDeploy -- I don't  
7 think you control specifically the flight speed. I think  
8 that is determined by a couple of other aspects, that that  
9 determines the flight speed. I think Pix4D you can adjust  
10 the flight speed. I could possibly be wrong on that.  
11 Q. DroneDeploy, this document on page 2 at the  
12 bottom, does say: "Flight speed: recommended flight speed  
13 is 15 miles per hour or less."  
14 A. There you go.  
15 Q. Okay.  
16 So it's something -- does that jog your memory as  
17 to whether flight speed was something you would have to  
18 input?  
19 A. I would have to open the program and look at it to  
20 remember which one it is that you can adjust or the other  
21 settings actually determine the flight speed.  
22 Q. Fair enough.  
23 A. I want say the overlapping and the how many passes  
24 you made determined the flight speed, but ...  
25 Q. And then the next page, it has multiple camera

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1 A. Yes, sir.  
2 Q. And as best I understand it, the drone is flying  
3 the program that was set by you and it's being controlled by  
4 the software?  
5 A. Yes, sir.  
6 Q. Okay.  
7 A. But I do have control of it at all times if  
8 anything happens.  
9 Q. And then the next page, do you see number 3,  
10 "Image Processing"?  
11 A. Yes, sir.  
12 Q. All right.  
13 And this sounds like what you were describing  
14 earlier, where you upload the images from an SD card to your  
15 computer; correct?  
16 A. Yes, sir.  
17 Q. "For best quality maps, manually review the photos  
18 and delete any that are not nadir," n-a-d-i-r, "(looking  
19 straight down), as well as any that are blurry, show part of  
20 the horizon, or have lighting issues."  
21 Did you do that?  
22 A. Yeah. You have to click over your photos to make  
23 sure, you know, the photo turned out okay.  
24 Q. And did you delete photos that didn't turn out  
25 okay?

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1 A. I mean, occasionally there was one that, you know,  
2 maybe took with the shutter door half open. Usually it was  
3 pretty head on, though.  
4 Q. And then you would select the photos that you  
5 wanted to upload into DroneDeploy?  
6 A. Yes.  
7 Q. Okay.  
8 And then it says: "Continue on to processing.  
9 Specify the map type as 'terrain' or 'structures.'"   
10 What would you typically select?  
11 A. Terrain.  
12 Q. And why would you select terrain?  
13 A. Structures are for if you're going for the 3D  
14 models. Remember I was telling you earlier it was kind of  
15 flowing and captured in a different pattern, that makes it  
16 a -- capture more of a 3D kind of cloud.  
17 Q. And the next page says: "When you are ready,  
18 begin processing. This will take several hours."  
19 Is that your experience, it takes several hours?  
20 A. Yes, sir.  
21 Q. And then under 4, "Export Image," it says: "Once  
22 processing is complete, you will see the final, stitched  
23 area -- stitched image of the area. This can be viewed as a  
24 2D map (pictured), a 3D model, NDVI imagery as an indicator  
25 of plant health or, elevation model."

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1 A. I never had to do that.  
2 That's if you wanted to put, like, a KML-type  
3 extension and it would create -- you could look at this map  
4 project on, say, Google Earth. It would actually overlay  
5 your map product over the standard image it had if you had  
6 the metadata to put it there.  
7 Q. And that's not something you used?  
8 A. No, I never used it.  
9 Q. Okay.  
10 (Exhibit 8 marked.)  
11 Q. I want to show you what has been marked as Exhibit  
12 Number 8. Exhibit Number 8 is an e-book that is put out by  
13 DroneDeploy on making great maps.  
14 And it is -- it says: "We start this e-book by  
15 describing the basic process behind Map Engine."  
16 Is that what you use, Map Engine?  
17 A. I'm assuming Map Engine is just what they call  
18 their processing software.  
19 Q. And then if you flip to page 5 --  
20 A. Yes, sir.  
21 Q. -- it says: "It is important to first understand  
22 the basic concept between drone photogrammetry."  
23 Do you know what drone photogrammetry is?  
24 A. Yes.  
25 Q. Okay.

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1 Is that true?  
2 A. Yes, sir.  
3 Q. And then do I understand your testimony to say  
4 that you would take the 2D map and turn it into a PDF?  
5 A. Yes.  
6 Q. Okay.  
7 Next page, it says: "You have the choice of  
8 exporting it as a GeoTIFF, JPEG, or PDF, depending on what  
9 you need as a final product."  
10 And it sounds like you selected PDF?  
11 A. Yes, sir.  
12 Q. And that's what you're looking to do going  
13 forward?  
14 A. JPEG or PDF. The client probably is not even  
15 knowledgeable of the difference; so PDF are probably the  
16 choice just standard across the board.  
17 Q. And then the next -- number 5 is "Use in ArcGIS:  
18 Once the image is exported, you will receive an e-mail with  
19 a link to download. Once downloaded, unzip the folder in  
20 your desired location. Create a new project in ArcMap or  
21 ArcPro and add the image."  
22 Do you know what they're talking about here?  
23 A. Yes, I do.  
24 Q. Okay.  
25 What is this?

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1 What is that?  
2 A. The stitching together of multiple photos -- well,  
3 using a drone obviously.  
4 Q. Do you know how it works?  
5 A. For the most part, I mean ...  
6 Q. When they talk about here -- can you explain what  
7 your knowledge is about how this process works?  
8 A. The stitching, like building a map?  
9 Q. Drone photogrammetry.  
10 A. Yeah. It's pretty much what we described several  
11 times, that you go, collect the photos with the drone, you  
12 come back, put it in a software that stitches the photos  
13 together via the metadata, creates an orthomosaic map, and  
14 export that multiple types of files to deliver to your  
15 client.  
16 Q. Do you understand how the software works? Because  
17 they explain --  
18 A. Okay.  
19 Q. What's your understanding of how the software  
20 works?  
21 A. It stitches everything together in a cloud-based  
22 structure from where it's actually located in space like if  
23 you're doing 3D structures, then it takes -- it has point  
24 clouds of whatever you're doing, the map building,  
25 structures, terrain, and then it inputs that together in a

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1 navigable whole image.  
2 Q. And then DroneDeploy talks about key points.  
3 Do you know what that means when they're using key  
4 points to do this process?  
5 A. I mean, I'm assuming key points are just things  
6 you need to know, like certain parts of the process. I  
7 don't know what they're referring to as key points.  
8 Q. Do you know anything about key points?  
9 A. No, sir.  
10 Q. Have you ever been trained in key points as it  
11 relates to drone photogrammetry?  
12 A. No, sir.  
13 Q. This talks about choose the correct flight  
14 planning modes, and it has nonstructures, flight mode,  
15 structures mode -- is that something we just talked about a  
16 minute ago?  
17 A. Yes. Terrain and structure, yes, sir.  
18 Q. And then if we go to page 9, there's a section on  
19 POI, point of interest.  
20 Do you know what they're referring to here?  
21 A. Yes, sir.  
22 Q. Okay.  
23 What are they referring to?  
24 A. Point of interest -- if you were taking, say, a  
25 5-acre field with a building in the middle of it and you

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1 A. Not in the DroneDeploy software, no.  
2 Q. How about within the equipment that you used for  
3 the clients?  
4 Did you know how to alter or make any changes to  
5 resolution or generate a work product that had a certain  
6 resolution?  
7 A. Yeah. I mean, the resolution is going to be  
8 whatever the resolution of the camera is in the drone; so I  
9 don't know how you could alter that.  
10 Q. Okay.  
11 Does resolution have anything to do with altitude?  
12 A. No.  
13 Q. And then after creating the flight plan,  
14 there's -- Chapter 8 on page 40 is "Processing."  
15 A. Okay.  
16 Q. On page 42, "Processing Modes" -- I think we  
17 talked about this earlier; but they have two main processing  
18 modes that you can choose to process your data in, terrain  
19 mode and structures mode.  
20 A. Yes.  
21 Q. Okay.  
22 And you generally pick terrain mode?  
23 A. Terrain, yes.  
24 Q. And then page 44, chapter 9, "Quality Check Your  
25 Data and Map." It says: "Once your map completes

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1 were doing an orbit around it to capture the data, the point  
2 of interest would be the building, the part that you stay  
3 focused on.  
4 Q. Have you seen this e-book before?  
5 A. No, sir.  
6 Q. When you said you studied or looked on, you know,  
7 Google or went to YouTube on learning about DroneDeploy, do  
8 you remember anything specific that you watched or read?  
9 A. Like, I studied most of the mapping stuff through  
10 Drone U, which is Drone University, but they're called  
11 Drone U, and they have just, you know, courses you can take  
12 on mapping, on creating maps, photogrammetry. I just went  
13 through those and took all those courses and am still in the  
14 process of learning it all.  
15 Q. If you would flip to page 17, this is the advanced  
16 panel section of the e-book.  
17 A. Okay.  
18 Q. Have we talked about that before already, the  
19 advanced panel and some of the inputs that you would have to  
20 make in order to get the flight plan ready?  
21 A. We mentioned advanced planning a while ago, yes.  
22 Q. Okay.  
23 How about resolution? Was there any way to alter  
24 resolution or do you know how resolution worked within  
25 DroneDeploy software?

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1 processing, there are steps you can take each and every time  
2 to help you understand how accurate your data is and the  
3 reasons behind its accuracy. These steps are the basic  
4 troubleshooting steps that DroneDeploy support uses when you  
5 reach out with a question regarding the quality of your  
6 map."  
7 Did you ever take any steps to check your data and  
8 map or troubleshoot the data and map?  
9 A. After the map was processed, I never did because  
10 my -- those maps I was creating were never that -- the  
11 accuracy was never that important because I was -- it was  
12 just for visual purposes. So whatever the process was when  
13 I got finished was always good enough for me.  
14 Q. Why do you say that? Why do you say the accuracy  
15 was never important?  
16 A. Because the clients I was delivering the products  
17 weren't using anything that accuracy would be required for.  
18 They wouldn't need the accuracy to see the picture. The guy  
19 just wants to see, like, hey, did my cement pile  
20 get delivered, did they set that building like they wanted.  
21 Like, there's no accuracy in that. It's just the building's  
22 there visibly or it's not.  
23 Q. And when you are hired, do you have engagement  
24 letters with your clients?  
25 A. Define "engagement letters." What do you mean?

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1 Q. A contract?

2 A. Contracts? Yes, sir.

3 Q. Okay.

4 And do you still have copies of those contracts?

5 A. No, probably not. I probably wasn't hard on

6 contracts that early in the business as far as, you know,

7 locking down stuff. I do it more now since I've grown

8 but --

9 Q. How about e-mails? Did you have e-mails with your

10 clients talking about, "Hey, I need you to do this"?

11 A. Maybe that Steve guy, Steve Adair, possibly. But

12 me and him talked a lot on the phone.

13 Q. Did any client ever hire you to provide any type

14 of data other than they would use for, what you say,

15 visualization?

16 A. No.

17 Q. Do you know if the data you provided them was

18 accurate?

19 A. To what?

20 Q. To --

21 A. It was an accurate picture, yes.

22 Q. Okay.

23 Do you know if it was accurate enough to do other

24 types of calculations other than just using it for

25 visualization?

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1 that you think is important related to the lawsuit that you

2 filed against the board?

3 A. Not that I can think of.

4 Q. Thank you.

5 MR. HANNA: I don't have anything further.

6 MR. GEDGE: I may just have a few questions.

7 (Recess taken, 3:06 to 3:13 p.m.)

8 EXAMINATION

9 BY MR. GEDGE:

10 Q. All right, Michael. Just to clarify a couple of

11 points.

12 You want to be able to take photographs using your

13 drone; is that right?

14 A. Yes.

15 Q. You want to be able to use those photographs to

16 create orthomosaic maps; is that right?

17 A. Yes, sir.

18 Q. You want to be able to provide those orthomosaic

19 maps to paying customers?

20 A. Yes, sir.

21 Q. Would those orthomosaic maps communicate

22 information?

23 A. Yes, sir, I think so.

24 Q. You want to use photos taken with your drone to

25 create 3D digital models; is that right?

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1 A. I wouldn't use it for anything or suggest them use

2 it for anything except visualization.

3 Q. And why is that? Why wouldn't you do that --

4 suggest that?

5 A. Because that's not the intent of the product.

6 Q. What was the intent of the product?

7 A. A visual representation.

8 (Recess taken, 3:03 to 3:05 p.m.)

9 Q. Mr. Jones, I appreciate your time today.

10 A. Thank you.

11 Q. And really appreciate you staying patient with me.

12 A. Yes, sir.

13 Q. There's a lot of technical stuff that I don't have

14 a background in, and so I appreciate you --

15 A. Same here.

16 Q. -- sitting through and listening to my questions

17 and answering my questions.

18 Is there anything -- are there any of those

19 questions that you answered that you would like to either

20 change your testimony or say, "Hey, I'm not sure I

21 understood that question," that you can think of?

22 A. Not off the top of my head I was pretty honest,

23 I think, in the questioning. If I didn't understand it, I

24 told you.

25 Q. And is there anything that you weren't asked about

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1 A. I would like to, yes.

2 Q. Would you like to provide those 3D digital models

3 to paying customers?

4 A. I would.

5 Q. In your view, do those 3D digital models

6 communicate information?

7 A. They do.

8 Q. Last question on this point, but you would also,

9 as I understand it, like to use the photos taken with your

10 drone to create images on which you will draw lines roughly

11 approximating the boundaries of property; is that right?

12 A. Yes.

13 Q. You want to provide those to willing clients?

14 A. Yes.

15 Q. For example, real estate agents?

16 A. Yes.

17 Q. Would those images, in your view, communicate

18 information?

19 A. Yes, they would.

20 Q. Now, as I understand it from your conversation

21 with Mr. Hanna, the orthomosaic map on DroneDeploy's actual

22 program that you have an account on, those maps contain

23 certain tools that let you -- for example, that let you

24 calculate the volume of a stockpile; is that right?

25 A. Yes, sir.

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1 Q. Okay.  
2 And another tool would let you identify the  
3 elevation of a point of land --  
4 A. Yes, sir.  
5 Q. -- on a map?  
6 A. Yes, sir.  
7 Q. Okay.  
8 And another tool, as I understand it, would let  
9 you calculate the distance between Point A and Point B on  
10 that map?  
11 A. Yes, sir.  
12 Q. All using the DroneDeploy program?  
13 A. Tools, yes.  
14 Q. All right.  
15 Now, as I understand it, you testified that  
16 between 2017 and 2019, none of your clients asked you to  
17 provide them that information; is that right?  
18 A. No.  
19 Q. None of your clients asked you to give them access  
20 to that information?  
21 A. No.  
22 Q. Okay.  
23 If in the future a client were to want access to  
24 that information, would you like to have the ability to  
25 provide that client access to that kind of information?

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1 A. I was asked that, yes.  
2 Q. And you said yes?  
3 A. Yes, I think it does.  
4 Q. And what type of information does it convey to the  
5 client?  
6 A. Again, the same list we went over: Quality  
7 control, quality -- management control of the progress,  
8 progression of the site -- any of those things is  
9 information to the client. If the client wanted to, you  
10 know, find out if this is being done on the site, that's  
11 information to the client, I think, under my definition.  
12 Q. Does the orthomosaic map create information?  
13 A. Create information? It provides information; it  
14 doesn't create information.  
15 Q. Does it communicate information?  
16 A. It communicates information, yes.  
17 Q. Does it matter if the map is conveyed to the  
18 client in PDF form or whether you provide a link with login  
19 instructions?  
20 A. Does it matter? Is that what you said?  
21 Q. Yes. Does it make a difference?  
22 A. No. Not to -- the actual product itself, does it  
23 change? Is that what you're asking?  
24 Q. No.  
25 Does it change the type of information that's

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1 A. I would like to, yes.  
2 Q. You might recall a part of your conversation with  
3 Mr. Hanna where you were discussing like, a subprovision or  
4 a sub subprovision of the North Carolina General Statute.  
5 Do you remember that?  
6 A. Yeah, I think so.  
7 Q. Okay.  
8 I believe the subprovision had to do with the  
9 definition of surveying.  
10 A. Oh, okay.  
11 Q. Is that right?  
12 A. Yes.  
13 Q. Okay.  
14 Are you -- you're not a lawyer; is that right?  
15 A. No.  
16 Q. Okay.  
17 Are you an expert in parsing complex statutory  
18 language?  
19 A. No, sir.  
20 MR. GEDGE: Okay. I think that's all I have.  
21 EXAMINATION  
22 BY MR. HANNA: (3:17 p.m.)  
23 Q. Just a quick follow-up.  
24 You were asked about would orthomosaic maps convey  
25 information to the client.

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1 communicated. In other words --  
2 A. Oh, no, no, no. That's just a format. But it  
3 does not change any information communicated. PDF is the  
4 same as a JPEG.  
5 Q. Does it change what the client can do with the  
6 information or what you can do with the information?  
7 A. No.  
8 Q. All right.  
9 So the JPEG can be used -- I can use all the same  
10 tools on the JPEG that I can use by getting the link and  
11 logging in to the program?  
12 A. No.  
13 Q. Okay.  
14 So it does make a difference?  
15 A. No.  
16 Q. All right. I'm confused.  
17 A. Yeah, the question -- the question that you asked  
18 is confusing, but it's partly incorrect.  
19 So if you're asking does it change or make a  
20 difference in the format -- so if I have a JPEG and a PDF  
21 and I was going to give this to that young man there, what  
22 he could do with it wouldn't make any difference.  
23 Then the second question you asked was does it  
24 take away the tools. So now we're talking about two  
25 completely separate things. We're talking about a file here

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1 and you're asking me does it change whether it's a JPEG  
2 format. No, it would not change it.  
3 When you take that and go into DroneDeploy, now  
4 you're working on their platform. You're not working on a  
5 file anymore; you're working on their platform and how that  
6 platform interacts with the files I'm giving it.  
7 Is that clear?  
8 Q. Yes.  
9 A. Okay.  
10 Q. And what you've done historically is you've  
11 communicated information to them, to the clients, by  
12 providing them a PDF copy of the orthomosaic map?  
13 A. Yes, sir.  
14 Q. Okay.  
15 And that information that you're communicating to  
16 them in the PDF document, are they able to use tools to do  
17 all these calculations on volume and distance?  
18 A. No, sir.  
19 Q. Okay.  
20 But if you were able to give them access to the  
21 program, they could then go in, right, and they could  
22 perform all kinds of calculations?  
23 A. If I gave them -- added them as a user to the  
24 profile, yes, sir.  
25 Q. You could do that as a user. You could use those

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1 How would potential clients be able to utilize  
2 those tools? Give me some examples.  
3 A. Well, I just gave you one, for the volumetrics.  
4 Say there's a stockpile of two tons of crush --  
5 two tons of crush-and-run dirt that's supposed to be  
6 delivered on the north corner of this job site. I fly it on  
7 Friday. The job manager checks Saturday. There's no dirt  
8 there. Or there's a half a pile and he checks it and says,  
9 "That's not two tons; it's supposed to be two tons." That's  
10 one.  
11 Two, they could lay out a concrete pad for a  
12 building and it could be 40 by 35 and they could go in and  
13 measure and it could be 40 by 40 and they could say, you  
14 know, "You guys built this 5 foot over measurement."  
15 That's just a couple of examples. You could go on  
16 for days with things they could do with this.  
17 Q. Could they use it to actually design a concrete  
18 pad, say, "Here's an area big enough and we could design a  
19 40 by 30 concrete pad"?  
20 A. You'd have to get to the definition of the word  
21 "design." Could they plot out, like, "Hey, I want a cement  
22 pad here" --  
23 Q. Right.  
24 A. -- and draw some kind of block to point to that  
25 spot.

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1 tools to provide -- perform calculations on volume,  
2 distance, all that; right?  
3 A. Yeah. Anyone with access to a DroneDeploy account  
4 could do those -- use those tools.  
5 Q. And, historically, you've been hired to provide  
6 these orthomosaic maps in PDF form?  
7 A. Yes.  
8 Q. And in response to your attorney's question, you  
9 said, "I would like to provide client access to tools to  
10 perform calculations on volume and distance."  
11 Why would you like to do that?  
12 A. Because, I mean, from a business standpoint, it  
13 would be a lot of work if they -- if I could get  
14 construction sites to sign on monthly to a subscription to  
15 have me do progression flights of their job sites and the  
16 tool, as far as volumetrics, they could use that to measure  
17 stockpiles, dirt, rock, make sure they've been delivered,  
18 how -- what has been delivered. I mean, on and on as far as  
19 information.  
20 I would like to be able to deliver that to a  
21 client, clearing you guys saying it's okay. In the future,  
22 I would like to be able to do that and to deliver the link  
23 and make them users on the drone profile where they could  
24 use these tools.  
25 Q. What uses could be -- strike that.

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1 Q. Right.  
2 A. Yes, they could do that.  
3 Q. Using the tools?  
4 A. As far as, like, planning to the point where, you  
5 know, the concrete workers could go out and, using  
6 DroneDeploy, they could tell all the dimensions and all  
7 that, I don't think you could do that.  
8 Q. I'm just saying could they take the software --  
9 the tools and the orthomosaic map and plot out, yeah, I'd  
10 like to put a building here, I'd like to put a concrete pad  
11 here, and actually map it out?  
12 A. No. They couldn't do that anymore than you could  
13 with a regular photo if I slid this over and said, "Map out  
14 a couple of garages on it for me." That's the ability --  
15 they would be able to do it digitally, you know, where you  
16 could take a pencil and draw a square and say, "I want a  
17 building here." They could go in DroneDeploy with a mouse  
18 and draw a square and say, "I want the building here."  
19 But as far as, like, putting up any kind of  
20 details, "Hey, this pad needs to be 4-foot thick, and this  
21 here" -- you can't do that.  
22 Q. So the difference, though, using the software,  
23 they can go in and plot points, and they would be able to  
24 plot a point here and that would show you a concrete pad  
25 would be this measurement, this size by plotting points on

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1 the DroneDeploy tools?  
2 A. I'm uncomfortable with the definition you're using  
3 "plotting," because it -- you couldn't do any more plotting  
4 in the digital representation as you could if I said, "Plot  
5 me something" with a pencil here.  
6 Q. Okay.  
7 How about if I go in and say, "I want to measure  
8 the distance between two points on the orthomosaic photo"?  
9 With the PDF, they can't do that?  
10 A. With PDF, they couldn't. If they had access to  
11 DroneDeploy, they could.  
12 Q. And how would they do that?  
13 A. They would use what's called the measuring tool  
14 inside that program.  
15 Q. Could they use the measuring tool to measure a  
16 location for a concrete pad?  
17 A. You can measure anything on the map with the  
18 measuring tool.  
19 Q. Could you measure it -- use that tool to measure a  
20 location for a second building?  
21 A. To measure, did you say?  
22 Q. Yeah. Measure it, like, the space to place a  
23 second building.  
24 A. Yes.  
25 Q. Okay.

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1 Q. Location, size, or physical features of the  
2 project -- meaning the dirt pile that you referenced, right,  
3 you could perform those calculations?  
4 A. Yes. With the tools in DroneDeploy, you could do  
5 the volumetrics, the distance -- those are the few tools I  
6 think they have. Volumetrics, distance, and area I think  
7 you can perform.  
8 Q. And you can perform conventional ground  
9 measurements?  
10 A. Yes.  
11 Q. You could locate property lines, could you not?  
12 A. No.  
13 Q. You could not?  
14 A. Not in this map, no.  
15 Q. Okay.  
16 Could you perform any type of elevation  
17 calculations?  
18 A. Yes.  
19 Q. Could they take the data and modify it to --  
20 essentially to create a -- chart a location where they might  
21 want to put a concrete pad in and then actually take that  
22 data, the tools, and generate yet another map showing where  
23 that would be?  
24 When I say "they," the client or yourself?  
25 A. It couldn't generate another orthomosaic map off

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1 So there's all kinds of usages that could be  
2 undertaken by the client in order to -- or you or anyone who  
3 has access, they could do all kinds of calculations on  
4 volume and surface area --  
5 A. Yes.  
6 Q. -- and measured distances.  
7 A. Yes.  
8 Q. And you want the ability to do that?  
9 A. I would like to be able to provide the map for  
10 them, you know, and then sell, you know, the map and the  
11 access to the tools so -- in the future so they could use  
12 the tools on the map that I created.  
13 Q. Okay.  
14 So they could perform all kinds of calculations;  
15 correct?  
16 A. Yes, sir.  
17 Q. All right.  
18 It would allow you or the clients to perform  
19 certain measurements on the site?  
20 A. You could measure distance with the tool, yes,  
21 sir.  
22 Q. Size, shape, or physical features of the earth you  
23 could measure?  
24 A. I'm not sure about shape as far as  
25 three-dimensional stuff.

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1 that map, if that's you're asking.  
2 Q. Okay.  
3 Could they create a PDF of where -- of the  
4 plotting of the points or the distances that were generated?  
5 A. If they had access to DroneDeploy tools, then they  
6 could do the same as I could. They could export the map in  
7 a PDF or JPEG or TIFF form.  
8 Q. And that's something you would like them to be  
9 able to do?  
10 A. I would like, yes.  
11 Q. And you want to be able to take photos and lay out  
12 the property lines in the photos?  
13 A. I would like to, because real estate agents, you  
14 know, they do it and have been doing it for years. So when  
15 they hire somebody, usually what they say to them is, you  
16 know, "This is the house and we'd like the property lines  
17 around it."  
18 So at this point, I'm just telling them, you know,  
19 I can't do that. But they do it anyway after I give them  
20 the pictures.  
21 Q. And you want to be able to have the ability --  
22 A. I would like to be able to do it for them.  
23 Q. Yeah, I know. Right.  
24 You want to be able to set up the boundary of the  
25 property line on the photos that you take?

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1 A. Yes.  
2 And just for visual purposes, you know. If they  
3 have a neighborhood with 60 houses in it and I fly over it  
4 with the drone, they need some kind of representation of,  
5 "Hey, I'm talking about this house." So, you know, it may  
6 be a square red -- a red square around that property.  
7 Q. Do you have an example of a 3D digital model that  
8 you've created --  
9 A. No.  
10 Q. -- from DroneDeploy?  
11 A. No, sir.  
12 Q. Do you know what -- you testified in response to  
13 your lawyer's question that it would -- that type of 3D  
14 digital model would communicate information.  
15 A. Yes.  
16 Q. Do you know what type of information it would  
17 communicate?  
18 A. Measurements, height. You know, as far as, like,  
19 being able to look at a structure from the side of it, you  
20 can rotate around it so you can look at the face of  
21 buildings. I never got that much into 3D modeling. I  
22 thought it was a fantastic thing that technology could  
23 provide, you know, the tools to do, but I just never found  
24 any work for it.  
25 Q. Anything other than -- that you can think of --

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1 Q. And that would have measurements and -- height  
2 measurements. Would it have volume measurements?  
3 A. On 3D models? I wouldn't be comfortable answering  
4 because I don't know. I never got -- I don't think they  
5 have volumetrics in it but, to be honest, I don't know if  
6 they do or not.  
7 Q. Do you have any background or training in  
8 producing 3D models?  
9 A. No, other than what I -- you know, self-taught  
10 online. It's very hard work, very tedious stuff.  
11 Q. Well, sounds like it's just a matter of signing up  
12 for a software program and pushing a button.  
13 A. Oh, no. Not the 3D models.  
14 Q. Okay.  
15 Tell me about that. What program would you use to  
16 generate 3D models?  
17 A. I would probably use Pix4D. It's the standard  
18 right now. I mean, that's canon for doing that for people  
19 who create 3D models.  
20 Q. Do you have training in it?  
21 A. No.  
22 Q. So how would you do it?  
23 A. I would learn like I did everything else. I can  
24 learn anything.  
25 Q. Sitting here today testifying, do you know what

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1 does it communicate any other information other than  
2 measurements and height?  
3 A. Visual representation, of course. I mean, you can  
4 turn the entire thing around, look at it from different  
5 views inside the software -- you know, rotate it like a  
6 model, flip it upside down.  
7 Q. And this is the kind of data that you want to be  
8 able to produce and send to clients?  
9 A. I would like to, yes, sir.  
10 Q. Okay.  
11 And would you -- would that 3D modeling that you  
12 provide them, would that -- do you know what kind of a  
13 format that's provided in? You know, what kind of file?  
14 A. They're different, 3D -- in OBJ files, there's a  
15 few different ones. I'm not diverse enough into it to  
16 know -- I know OBJ was one of the file extensions. Any 3D  
17 model-type extension, and then you have a 3D model viewer to  
18 view those.  
19 Q. And so --  
20 A. I haven't got that far down the road yet to figure  
21 out what I would deliver it as.  
22 Q. So your lawsuit seeks to have the ability to fly  
23 your drone, collect the data, and create 3D digital models  
24 in a file format that you would send to a client?  
25 A. Yes, sir.

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1 type of information other than measurements and height would  
2 be communicated in the 3D model?  
3 A. Just a visual representation. You know, the  
4 ability to navigate the model around and turn it and shift  
5 it, move it.  
6 Q. Would you want to be able to -- would that be  
7 linked to any type of software program?  
8 A. Well, the 3D models are created through apps like  
9 DroneDeploy or Pix4D. So, I mean, as I said just a minute  
10 ago, if I were to proceed in this, I would probably use  
11 Pix4D to create the 3D models.  
12 Q. So if you sent me a file of a 3D model, would I  
13 have the ability to use tools to do certain measurements?  
14 A. Inside of DroneDeploy, maybe; I'm not positive.  
15 Again, I did not delve that much into the 3D model. I mean,  
16 I did a little. I could never find any clients that were  
17 interested in it.  
18 So I'm not positive of all of -- of all the tools  
19 in DroneDeploy for the 3D models. Because in that window  
20 when you open up the dashboard, that's a different view so  
21 you click orthomosaic, then you switch to the 3D model, the  
22 whole screen changes, and I don't think you have those tools  
23 available. But I would have to open the website up and look  
24 now to give you an accurate answer.  
25 Q. And so the way it was phrased, you want to be able

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1 to -- the goal of your lawsuit, what you're asking the Court  
2 to do is give you the ability to create orthomosaic maps and  
3 communicate that information to a client?

4 A. Yes.

5 Q. A paying client?

6 A. Yes.

7 Q. And you also want to be able to give the clients  
8 the ability to access tools in whatever program you're using  
9 to perform whatever calculations they would want to perform?

10 A. Yes.

11 Q. And then the second thing is you want to be able  
12 to have the ability, through this lawsuit, to create images  
13 of land on behalf of paying clients with lines drawn showing  
14 boundaries --

15 A. Yes, sir.

16 Q. -- of the property?

17 A. Yes, sir.

18 Q. Showing the property lines of the property?

19 A. Yes, sir.

20 Q. Okay.

21 A. And if I could just, like, highlight on that, what  
22 I want to do on that is I want to be able to provide the  
23 clients with some sort of representation to pinpoint what  
24 they're marketing.

25 I mean, just -- in this picture of this house, if

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1 county.

2 Q. Do you have any training in this?

3 A. No formal training, but it's -- there's nothing to  
4 use. I mean, you just type in the address and go to it and  
5 all of the information is given there.

6 Q. Do you have any training in using GIS?

7 A. No.

8 Q. And then the third thing you're asking the Court  
9 to do is allow you to capture aerial images of land and  
10 structures along with location data, coordinates, elevation  
11 data, and volume data and making those images available to  
12 paying clients?

13 A. Yes, sir.

14 Q. And as we talked about earlier, you're talking  
15 about -- you're still doing that today, you're taking  
16 pictures and you're providing the images to the pictures  
17 [sic]?

18 A. Yes, sir.

19 Q. You're concerned that if the image contains any  
20 type of metadata, you don't want to get in trouble for that?

21 A. Yes, sir.

22 Q. Okay.

23 And then the fourth thing you have is the 3D  
24 digital models.

25 A. Yes.

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1 she wants that, I want to be able to put a line around it  
2 without the board saying, "Hey, you're drawing property  
3 lines," because I'm not drawing property lines because the  
4 line is this wide, it would be 25 feet wide in real life.  
5 You understand what I'm saying?

6 So I'm just looking to have the right to be able  
7 to give the client something visually, to show, "Hey, I'm  
8 selling this house." And right now, the board's saying,  
9 "You can't draw lines on the paper because you're doing  
10 property lines."

11 And it isn't so much I want to do property lines,  
12 I just want to have the ability to put a mark around this  
13 property and say, "This square is what we're selling."

14 Q. Your lawsuit is asking the Court to allow you to  
15 create images, digital images; right?

16 A. Yes.

17 Q. For paying clients; correct?

18 A. Yes.

19 Q. Drawing on those images lines indicating the  
20 approximate position of property boundaries?

21 A. Yes, sir.

22 Q. Okay.

23 And how would you do that? How would you  
24 determine the approximate property boundary?

25 A. I would look through GIS on that property in that

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1 Q. Okay.

2 Anything else?

3 A. That's it.

4 Q. All right.

5 And you want to be able to not only give them the  
6 files for those four, let me say items 1 and 4, which is the  
7 orthomosaic maps and the 3D digital models, but you want to  
8 be able to give them access to any tools so they can perform  
9 whatever calculations --

10 A. Yes.

11 Q. -- they would want to do?

12 A. That DroneDeploy would offer them, yes, sir.

13 Q. All right.

14 MR. HANNA: I don't have anything further.

15 MR. GEDGE: I'm all set.

16 We will read and sign.

17 THE STENOGRAPHER: If you would like to order  
18 a transcript, a verbal recognition of that, and then when I  
19 have it ready, I'll send it to you.

20 MR. GEDGE: I would like to order a  
21 transcript.

22 THE STENOGRAPHER: Thank you very much.  
23 (Deposition concluded, 3:38 p.m.)  
24 (Signature reserved.)  
25

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1 WITNESS'S SIGNATURE PAGE  
2  
3 I have read the foregoing pages, which contain a correct  
4 transcription of answers made by me to the questions therein  
5 recorded, with the exception(s) and/or addition(s) reflected on  
6 the correction sheet attached hereto, if any.  
7 Signed, this the \_\_\_\_ day of \_\_\_\_, 2021.  
8  
9  
10  
11  
12 \* \* \* \* \*  
13  
14 STATE OF: \_\_\_\_\_  
15 COUNTY OF: \_\_\_\_\_  
16  
17 Subscribed and sworn to me this, the \_\_\_\_ day of \_\_\_\_\_,  
18 2021.  
19  
20  
21 \_\_\_\_\_  
22 Notary Public  
23 My Commission expires: \_\_\_\_\_  
24 (seal)  
25

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1 ERRATA SHEET  
2 Case: 360 Virtual Drone Services LLC/Michael Jones  
3 v Ritter et al.  
4 Deposition of: Michael Jones  
5  
6 Please read this deposition transcript with care, and if you  
7 find any corrections or changes you wish made, list them by  
8 page/line number below. Return the errata sheet to this office as  
9 soon as executed as the Rules only allow a limited time to make  
10 changes.  
11 To assist you in making any corrections, please use the form  
12 below. If supplemental or additional pages are necessary, please  
13 furnish same and attach to this errata sheet.  
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1 STATE OF NORTH CAROLINA )  
2 COUNTY OF WAKE )  
3 CERTIFICATE  
4 I, Victoria L. Pittman, BA, FAFR, RDR, CRI, CVR-CR-M, do  
5 hereby certify that the foregoing testimony was duly sworn to;  
6 that I reported in voice shorthand the foregoing pages of the  
7 above-styled cause, and that they were prepared by  
8 computer-assisted transcription under my personal supervision and  
9 constitute a true and accurate record of the proceedings;  
10 I further certify that the Witness requests to review  
11 the transcript;  
12 I further certify that I am not an attorney or counsel  
13 of any parties, nor a relative or employee of any attorney or  
14 counsel connected with the action, nor financially interested in  
15 the action;  
16 WITNESS my hand in the Town of Wake Forest, County of  
17 Wake, North Carolina.  
18  
19 Victoria L. Pittman, Freelance Court Reporter  
20 and Notary Public (No. 19972060075) in and for Wake  
21 County, North Carolina and the State at large.  
22 My Notarial commission expires: 7/31/22.  
23  
24  
25

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